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Length and Weight Data From Juvenile Salmonids Captured by Surface Trawling on the Lower Fraser River During 1987 and 1988

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Canadian Data Report of Fisheries and Aquatic Sciences

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LENGTH AND WEIGHT DATA FROM JUVENILE SALMONIDS CAPTURED BY SURFACE TRAWLING ON THE LOWER FRASER RIVER DURING 1987 AND 1988

by

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ABSTRACT

Whitehouse, T. R., S. Dionne and C. D. Levings. 1989. Length and weight data from juvenile salmonids captured by surface trawling on the Lower Fraser River during 1987 and 1988. Can. Data Rep. Fish. Aquat. Sci. 771: 131 p.

Data are presented on the lengths and weights of juvenile salmonids collected from the Fraser River by surface trawling during 1987 and 1988.

Key words: Fraser River, surface trawling, juvenile salmonids

RÉSUMÉ

Whitehouse, T. R., S. Dionne and C. D. Levings. 1989. Length and weight data from juvenile salmonids captured by surface trawling on the Lower Fraser River during 1987 and 1988. Can. Data Rep. Fish. Aquat. Sci. 771: 131 p.

Ce rapport publie des données sur la longueur et le poids de saumoneaux capturés par chalutage en surface durant les années 1987 et 1988.

Mots clés: le Fraser, chalutage en surface, saumoneaux

INTRODUCTION

The Fraser River is an important salmon producing river in British Columbia. The river serves as a major migratory pathway for adult salmon en route to upstream spawning grounds and for juvenile migrants moving downstream to oceanic rearing and feeding areas. Recent data (Beak Consultants, 1981) have demonstrated that downstream migrant salmon fry show behavioural preference for surface waters and shoreline positioning. The river current can have a direct bearing upon transport of fry, overriding the behavioural preference of shoreline orientation. Further collection of data was of great importance since recent research has suggested that estuarine residency may, in fact, increase the survival of some salmonids (Reimers, 1973). In these estuarine areas, juvenile fish have the opportunity to exploit abundant food resources from productive habitats.

Surface trawling was carried out on the Fraser River, at Queens Reach. Sampling continued from September 1987, to the end of August 1988. This program examined the distribution, seasonal abundance and species composition of the fish community present in the surface waters of the main channel of the Lower Fraser River at Queens Reach, near Port Mann. Data regarding the total catch of all fish, time of capture, surface temperature and other variables related to each sampling trip have been documented in an earlier report (Whitehouse and Levings, 1989). The present data report documents the length, weight, origin and the horizontal distribution of juvenile salmonids captured in the surface trawling program.

METHODS AND MATERIALS

A trawling program was initiated on the mainstem Fraser River at Queens Reach, approximately 31 km upstream from the river mouth (Figure 1), in September, 1987, and continued to the end of August, 1988. Weekly sampling was intensified from a single trip, to two or three trips per week during the peak of juvenile salmonid out-migration. A total of 80 sampling trips were made. On each trip, five transect lines (A-E) parallel with the mid-channel axis were sampled. Lines "A" and "E" were as close as possible to the north and south shores, respectively, lines "B", "C", and "D" were positioned mid-channel (Figure 2). Sampling was done close to high slack water when the river currents were reduced. Tables produced by Public Works Canada (1988) were consulted to aid in the selection of periods of reduced river currents.

Sampling procedures have been outlined in Whitehouse and Levings (1989). After completion of each tow, the catch was brought on board and placed in a tub of river water and enumerated by species. Subsamples were taken and treated in relation to their subsequent analyses in the laboratory. Juvenile sockeye salmon specimens were kept for research on stock identification using otoliths by Dr. M. Henderson, Biological Sciences Branch. These samples were fixed and preserved in a 100% ethanol solution. Other juvenile specimens were kept for length-weight measurements and stomach content analysis. The latter were fixed in a 10% formaldehyde solution for a period of two weeks and then rinsed in water and preserved in a 40% isopropyl alcohol and water solution. Some juvenile chinook salmon were quick-frozen in the field, using dry ice, for a toxicological study being conducted by Dr. H.

Rogers, Physical and Chemical Sciences Branch. The length and weight of these frozen specimens were taken while fresh. Fork length, and in some cases, wet weight were obtained in the field on some juvenile salmon, including tagged chinook and coho kept for determination of their hatchery of origin. Weights were obtained in the field and in the laboratory using a K-TRON Model DS-10 portable electronic balance.

ACKNOWLEDGEMENTS

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Figure 2. Location of transect lines at Fraser River, Queens Reach sampling site, 1987-1988.

Table 1. Description of the variables presented in length - weight data tables.

VARIABLE NAME	VARIABLE DESCRIPTION
SAMPLING TRIP	Sequential sampling trip number
SAMPLING DATE	Sampling date (YYMMDD)
TOW NUMBER	Sequential tow number by trip
ID NUMBER	Identification number
TRANSECT LINE	Sampling line
SPECIES	Species code (defined in Table 2)
LENGTH	Fork length (mm.)
WEIGHT	Weight (g.)
ORIGIN	Marked (1) or unmarked (0) fish
.	Missing data

Table 2. Scientific and common names and species codes of fishes collected from the Fraser River by surface trawling in 1987-1988.

Scientific Name	Common name	Species code
Onchorhynchus gorbuscha	Pink salmon	PINK
O. keta	Chum salmon	CHUM
O. tshawytscha	Chinook salmon	CHIN
O. nerka	Sockeye salmon	SOCK
O. kisutch	Coho salmon	COHO
O. mykiss	Rainbow trout *	RAIN
O. clarki clarki	Cutthroat trout *	CUTT

* see Kendall, 1988.

Table 3. Length - weight data from trawl caught juvenile salmonids, Fraser River at Queens Reach, 1987-1988. Specimens fixed in formalin.

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEEN'S REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
23	880224	3	C	883282	CHUM	37.0	0.34	0
24	880225	1	C	883283	CHUM	37.0	0.38	0
24	880225	1	C	883284	CHUM	36.0	0.36	0
24	880225	1	C	883285	CHUM	37.0	0.36	0
24	880225	1	C	883286	CHUM	36.0	0.36	0
24	880225	1	C	883287	PINK	28.0	0.20	0
26	880301	3	D	880122	CHUM	37.0	0.38	0
26	880301	3	D	880123	CHUM	39.0	0.46	0
26	880301	3	D	880124	CHUM	37.0	0.38	0
26	880301	3	D	880125	CHUM	38.0	0.38	0
26	880301	4	E	880127	CHUM	38.0	0.32	0
26	880301	4	E	880128	CHUM	36.0	0.34	0
26	880301	4	E	880129	CHUM	34.0	0.30	0
26	880301	4	E	880130	CHUM	38.0	0.36	0
26	880301	4	E	880126	PINK	32.0	0.18	0
26	880301	5	A	880131	CHUM	40.0	0.52	0
27	880303	1	A	880118	CHUM	37.0	0.48	0
27	880303	1	A	880119	CHUM	38.0	0.42	0
27	880303	2	B	880120	CHUM	37.0	0.44	0
27	880303	2	B	880121	CHUM	38.0	0.48	0
27	880303	3	C	880105	CHUM	37.0	0.42	0
27	880303	3	C	880106	CHUM	39.0	0.54	0
27	880303	3	C	880107	CHUM	36.0	0.42	0
27	880303	3	C	880108	CHUM	37.0	0.40	0
27	880303	3	C	880109	CHUM	41.0	0.52	0
27	880303	3	C	880111	CHUM	38.0	0.38	0
27	880303	3	C	880113	CHUM	37.0	0.44	0
27	880303	3	C	880114	CHUM	40.0	0.52	0
27	880303	3	C	880110	PINK	32.0	0.22	0
27	880303	3	C	880112	PINK	31.0	0.24	0
27	880303	3	C	880115	PINK	30.0	0.22	0
27	880303	3	C	880116	PINK	31.0	0.24	0
27	880303	3	C	880117	PINK	31.0	0.22	0
27	880303	4	D	880132	PINK	33.0	0.24	0
28	880307	1	A	880133	CHUM	38.0	0.46	0
28	880307	1	A	880134	CHUM	38.0	0.52	0
28	880307	2	B	880135	CHUM	38.0	0.44	0
28	880307	2	B	880136	CHUM	38.0	0.48	0
28	880307	2	B	880137	CHUM	35.0	0.40	0
28	880307	4	D	880138	PINK	31.0	0.18	0
28	880307	5	E	880141	CHUM	35.0	0.40	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
28	880307	5	E	880139	PINK	31.0	0.22	0
28	880307	5	E	880140	PINK	33.0	0.26	0
29	880310	1	A	880144	CHIN	37.0	0.52	0
29	880310	1	A	880142	CHUM	38.0	0.40	0
29	880310	1	A	880143	CHUM	38.0	0.38	0
29	880310	2	B	880196	CHIN	36.0	0.48	0
29	880310	2	B	880197	CHIN	38.0	0.56	0
29	880310	2	B	880198	CHUM	36.0	0.36	0
29	880310	2	B	880199	CHUM	38.0	0.44	0
29	880310	2	B	880200	CHUM	38.0	0.40	0
29	880310	2	B	880201	CHUM	35.0	0.36	0
29	880310	2	B	880194	PINK	34.0	0.28	0
29	880310	2	B	880195	PINK	32.0	0.24	0
29	880310	3	C	880149	CHUM	38.0	0.44	0
29	880310	3	C	880150	CHUM	38.0	0.46	0
29	880310	3	C	880151	CHUM	37.0	0.40	0
29	880310	3	C	880152	CHUM	37.0	0.38	0
29	880310	3	C	880153	CHUM	41.0	0.56	0
29	880310	3	C	880154	CHUM	36.0	0.34	0
29	880310	3	C	880155	CHUM	37.0	0.36	0
29	880310	3	C	880156	CHUM	37.0	0.38	0
29	880310	3	C	880157	CHUM	35.0	0.34	0
29	880310	3	C	880158	CHUM	37.0	0.42	0
29	880310	3	C	880159	CHUM	35.0	0.38	0
29	880310	3	C	880160	CHUM	37.0	0.42	0
29	880310	3	C	880161	CHUM	37.0	0.42	0
29	880310	3	C	880162	CHUM	37.0	0.46	0
29	880310	3	C	880163	CHUM	36.0	0.38	0
29	880310	3	C	880164	CHUM	40.0	0.46	0
29	880310	3	C	880165	CHUM	39.0	0.46	0
29	880310	3	C	880166	CHUM	37.0	0.38	0
29	880310	3	C	880145	PINK	33.0	0.20	0
29	880310	3	C	880146	PINK	34.0	0.26	0
29	880310	3	C	880147	PINK	32.0	0.22	0
29	880310	3	C	880148	PINK	31.0	0.20	0
29	880310	4	E	880168	CHUM	40.0	0.52	0
29	880310	4	E	880169	CHUM	40.0	0.46	0
29	880310	4	E	880170	CHUM	38.0	0.44	0
29	880310	4	E	880171	CHUM	36.0	0.38	0
29	880310	4	E	880172	CHUM	39.0	0.48	0
29	880310	4	E	880173	CHUM	38.0	0.48	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
29	880310	4	E	880174	CHUM	40.0	0.50	0
29	880310	4	E	880175	CHUM	39.0	0.48	0
29	880310	4	E	880176	CHUM	36.0	0.36	0
29	880310	4	E	880167	COHO	30.0	0.30	0
29	880310	5	D	880184	CHIN	30.0	0.42	0
29	880310	5	D	880185	CHIN	36.0	0.48	0
29	880310	5	D	880186	CHIN	35.0	0.32	0
29	880310	5	D	880177	CHUM	41.0	0.54	0
29	880310	5	D	880187	CHUM	35.0	0.32	0
29	880310	5	D	880188	CHUM	36.0	0.30	0
29	880310	5	D	880189	CHUM	36.0	0.32	0
29	880310	5	D	880190	CHUM	39.0	0.44	0
29	880310	5	D	880191	CHUM	38.0	0.36	0
29	880310	5	D	880192	CHUM	34.0	0.22	0
29	880310	5	D	880193	CHUM	35.0	0.34	0
29	880310	5	D	880178	PINK	31.0	0.24	0
29	880310	5	D	880179	PINK	29.0	0.22	0
29	880310	5	D	880180	PINK	34.0	0.26	0
29	880310	5	D	880181	PINK	33.0	0.22	0
29	880310	5	D	880182	PINK	32.0	0.24	0
29	880310	5	D	880183	PINK	31.0	0.20	0
30	880314	1	E	880223	CHUM	37.0	0.34	0
30	880314	1	E	880224	CHUM	41.0	0.50	0
30	880314	1	E	880225	CHUM	36.0	0.30	0
30	880314	1	E	880226	CHUM	31.0	0.20	0
30	880314	1	E	880227	CHUM	37.0	0.34	0
30	880314	1	E	880228	CHUM	37.0	0.36	0
30	880314	1	E	880229	CHUM	35.0	0.32	0
30	880314	1	E	880230	CHUM	37.0	0.38	0
30	880314	1	E	880231	CHUM	37.0	0.34	0
30	880314	1	E	880232	CHUM	34.0	0.34	0
30	880314	1	E	880233	CHUM	37.0	0.34	0
30	880314	1	E	880234	CHUM	40.0	0.42	0
30	880314	1	E	880235	CHUM	37.0	0.36	0
30	880314	1	E	880236	CHUM	40.0	0.36	0
30	880314	1	E	880237	CHUM	38.0	0.36	0
30	880314	1	E	880238	CHUM	37.0	0.34	0
30	880314	1	E	880239	CHUM	31.0	0.34	0
30	880314	1	E	880240	CHUM	31.0	0.16	0
30	880314	1	E	880241	CHUM	37.0	0.38	0
30	880314	1	E	880269	CHUM	39.0	0.48	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
30	880314	1	E	880242	PINK	32.0	0.18	0
30	880314	1	E	880243	PINK	34.0	0.28	0
30	880314	1	E	880244	PINK	34.0	0.26	0
30	880314	1	E	880245	PINK	33.0	0.28	0
30	880314	1	E	880246	PINK	33.0	0.24	0
30	880314	1	E	880247	PINK	34.0	0.28	0
30	880314	1	E	880248	PINK	32.0	0.22	0
30	880314	1	E	880249	PINK	31.0	0.18	0
30	880314	1	E	880250	PINK	33.0	0.24	0
30	880314	1	E	880251	PINK	31.0	0.20	0
30	880314	1	E	880252	PINK	33.0	0.22	0
30	880314	1	E	880253	PINK	33.0	0.24	0
30	880314	1	E	880254	PINK	30.0	0.20	0
30	880314	1	E	880255	PINK	33.0	0.20	0
30	880314	1	E	880256	PINK	31.0	0.22	0
30	880314	1	E	880257	PINK	32.0	0.24	0
30	880314	1	E	880258	PINK	32.0	0.22	0
30	880314	1	E	880259	PINK	33.0	0.22	0
30	880314	1	E	880260	PINK	33.0	0.20	0
30	880314	1	E	880261	PINK	30.0	0.18	0
30	880314	1	E	880262	PINK	28.0	0.14	0
30	880314	1	E	880263	PINK	30.0	0.18	0
30	880314	1	E	880264	PINK	33.0	0.20	0
30	880314	1	E	880265	PINK	32.0	0.20	0
30	880314	1	E	880266	PINK	32.0	0.20	0
30	880314	1	E	880267	PINK	32.0	0.22	0
30	880314	1	E	880268	PINK	35.0	0.24	0
30	880314	2	D	880270	CHUM	38.0	0.36	0
30	880314	2	D	880271	CHUM	32.0	0.34	0
30	880314	2	D	880272	CHUM	36.0	0.40	0
30	880314	2	D	880273	CHUM	36.0	0.38	0
30	880314	2	D	880274	CHUM	36.0	0.36	0
30	880314	2	D	880275	CHUM	40.0	0.46	0
30	880314	2	D	880276	CHUM	38.0	0.24	0
30	880314	2	D	880277	CHUM	39.0	0.42	0
30	880314	2	D	880278	CHUM	38.0	0.42	0
30	880314	2	D	880279	PINK	33.0	0.22	0
30	880314	2	D	880280	PINK	34.0	0.26	0
30	880314	2	D	880281	PINK	34.0	0.26	0
30	880314	2	D	880282	PINK	34.0	0.28	0
30	880314	2	D	880283	PINK	33.0	0.24	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
30	880314	2	D	880284	PINK	33.0	0.24	0
30	880314	2	D	880285	PINK	33.0	0.20	0
30	880314	2	D	880286	PINK	32.0	0.18	0
30	880314	2	D	880287	PINK	33.0	0.18	0
30	880314	2	D	880288	PINK	34.0	0.22	0
30	880314	2	D	880289	PINK	33.0	0.26	0
30	880314	2	D	880290	PINK	33.0	0.20	0
30	880314	2	D	880291	PINK	34.0	0.24	0
30	880314	2	D	880292	PINK	33.0	0.26	0
30	880314	3	C	880293	CHIN	40.0	0.66	0
30	880314	3	C	880294	CHUM	38.0	0.46	0
30	880314	3	C	880307	CHUM	34.0	0.36	0
30	880314	3	C	880308	CHUM	35.0	0.34	0
30	880314	3	C	880309	CHUM	38.0	0.42	0
30	880314	3	C	880310	CHUM	39.0	0.34	0
30	880314	3	C	880311	CHUM	37.0	0.42	0
30	880314	3	C	880312	CHUM	35.0	0.26	0
30	880314	3	C	880313	CHUM	37.0	0.36	0
30	880314	3	C	880314	CHUM	36.0	0.32	0
30	880314	3	C	880315	CHUM	38.0	0.36	0
30	880314	3	C	880295	PINK	33.0	0.22	0
30	880314	3	C	880296	PINK	35.0	0.30	0
30	880314	3	C	880297	PINK	39.0	0.40	0
30	880314	3	C	880298	PINK	32.0	0.22	0
30	880314	3	C	880299	PINK	33.0	0.22	0
30	880314	3	C	880300	PINK	34.0	0.24	0
30	880314	3	C	880301	PINK	33.0	0.24	0
30	880314	3	C	880302	PINK	33.0	0.22	0
30	880314	3	C	880303	PINK	33.0	0.24	0
30	880314	3	C	880304	PINK	34.0	0.24	0
30	880314	3	C	880305	PINK	33.0	0.24	0
30	880314	3	C	880306	PINK	33.0	0.22	0
30	880314	4	B	880316	CHUM	37.0	0.40	0
30	880314	4	B	880317	CHUM	38.0	0.42	0
30	880314	4	B	880318	CHUM	39.0	0.48	0
30	880314	4	B	880319	CHUM	36.0	0.42	0
30	880314	4	B	880320	CHUM	37.0	0.38	0
30	880314	4	B	880321	CHUM	30.0	0.20	0
30	880314	4	B	880322	CHUM	31.0	0.24	0
30	880314	4	B	880323	PINK	32.0	0.24	0
30	880314	4	B	880324	PINK	34.0	0.26	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
30	880314	4	B	880325	PINK	34.0	0.28	0
30	880314	4	B	880326	PINK	35.0	0.28	0
30	880314	4	B	880327	PINK	34.0	0.28	0
30	880314	4	B	880328	PINK	33.0	0.22	0
30	880314	4	B	880329	PINK	35.0	0.30	0
30	880314	4	B	880330	PINK	34.0	0.26	0
30	880314	4	B	880331	PINK	31.0	0.20	0
30	880314	4	B	880332	PINK	33.0	0.26	0
30	880314	4	B	880333	PINK	31.0	0.20	0
30	880314	4	B	880334	PINK	34.0	0.28	0
30	880314	4	B	880335	PINK	32.0	0.24	0
30	880314	4	B	880336	PINK	35.0	0.22	0
30	880314	5	A	880210	CHIN	38.0	0.50	0
30	880314	5	A	880211	CHIN	42.0	0.68	0
30	880314	5	A	880202	CHUM	38.0	0.44	0
30	880314	5	A	880203	CHUM	40.0	0.44	0
30	880314	5	A	880204	CHUM	38.0	0.40	0
30	880314	5	A	880205	CHUM	38.0	0.42	0
30	880314	5	A	880206	CHUM	37.0	0.34	0
30	880314	5	A	880207	CHUM	37.0	0.38	0
30	880314	5	A	880208	CHUM	35.0	0.32	0
30	880314	5	A	880209	CHUM	38.0	0.38	0
30	880314	5	A	880212	PINK	33.0	0.26	0
30	880314	5	A	880213	PINK	30.0	0.18	0
30	880314	5	A	880214	PINK	33.0	0.22	0
30	880314	5	A	880215	PINK	34.0	0.20	0
30	880314	5	A	880216	PINK	34.0	0.22	0
30	880314	5	A	880217	PINK	34.0	0.24	0
30	880314	5	A	880218	PINK	33.0	0.22	0
30	880314	5	A	880219	PINK	33.0	0.24	0
30	880314	5	A	880220	PINK	31.0	0.20	0
30	880314	5	A	880221	PINK	35.0	0.26	0
30	880314	5	A	880222	PINK	33.0	0.24	0
31	880316	1	A	880337	CHUM	36.0	0.38	0
31	880316	1	A	880338	CHUM	38.0	0.42	0
31	880316	1	A	880339	CHUM	35.0	0.34	0
31	880316	1	A	880340	CHUM	38.0	0.42	0
31	880316	1	A	880341	CHUM	37.0	0.42	0
31	880316	1	A	880342	CHUM	38.0	0.44	0
31	880316	1	A	880343	PINK	32.0	0.28	0
31	880316	1	A	880344	PINK	33.0	0.26	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
31	880316	1	A	880345	PINK	33.0	0.28	0
31	880316	1	A	880346	PINK	34.0	0.22	0
31	880316	1	A	880347	PINK	32.0	0.22	0
31	880316	2	B	880358	CHUM	39.0	0.46	0
31	880316	2	B	880357	PINK	34.0	0.24	0
31	880316	3	C	880367	CHUM	39.0	0.46	0
31	880316	3	C	880368	CHUM	33.0	0.34	0
31	880316	3	C	880359	PINK	33.0	0.22	0
31	880316	3	C	880360	PINK	32.0	0.22	0
31	880316	3	C	880361	PINK	32.0	0.20	0
31	880316	3	C	880362	PINK	31.0	0.20	0
31	880316	3	C	880363	PINK	30.0	0.22	0
31	880316	3	C	880364	PINK	31.0	0.22	0
31	880316	3	C	880365	PINK	32.0	0.24	0
31	880316	3	C	880366	PINK	35.0	0.24	0
31	880316	4	D	880349	CHUM	41.0	0.52	0
31	880316	4	D	880350	CHUM	38.0	0.44	0
31	880316	4	D	880351	CHUM	37.0	0.40	0
31	880316	4	D	880352	CHUM	39.0	0.38	0
31	880316	4	D	880353	CHUM	38.0	0.42	0
31	880316	4	D	880354	CHUM	38.0	0.34	0
31	880316	4	D	880355	CHUM	34.0	0.34	0
31	880316	4	D	880356	CHUM	38.0	0.38	0
31	880316	4	D	880348	PINK	32.0	0.22	0
31	880316	5	E	880373	CHUM	38.0	0.40	0
31	880316	5	E	880374	CHUM	38.0	0.36	0
31	880316	5	E	880375	CHUM	29.0	0.20	0
31	880316	5	E	880369	PINK	34.0	0.24	0
31	880316	5	E	880370	PINK	34.0	0.24	0
31	880316	5	E	880371	PINK	34.0	0.28	0
31	880316	5	E	880372	PINK	32.0	0.18	0
32	880318	1	A	880376	CHIN	41.0	0.62	0
32	880318	1	A	880377	CHUM	39.0	0.52	0
32	880318	1	A	880378	CHUM	39.0	0.44	0
32	880318	1	A	880379	PINK	34.0	0.28	0
32	880318	1	A	880380	PINK	33.0	0.26	0
32	880318	1	A	880381	PINK	34.0	0.28	0
32	880318	2	B	880385	CHIN	40.0	0.62	0
32	880318	2	B	880382	CHUM	39.0	0.44	0
32	880318	2	B	880383	CHUM	32.0	0.24	0
32	880318	2	B	880384	CHUM	33.0	0.26	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
32	880318	2	B	880387	CHUM	31.0	0.26	0
32	880318	2	B	880386	PINK	32.0	0.20	0
32	880318	3	C	880388	CHUM	37.0	0.44	0
32	880318	3	C	880389	CHUM	39.0	0.48	0
32	880318	3	C	880390	CHUM	35.0	0.28	0
32	880318	3	C	880391	PINK	33.0	0.26	0
32	880318	3	C	880392	PINK	35.0	0.30	0
32	880318	4	D	880393	CHUM	35.0	0.28	0
32	880318	4	D	880394	CHUM	39.0	0.56	0
32	880318	4	D	880395	CHUM	39.0	0.46	0
32	880318	4	D	880396	CHUM	37.0	0.42	0
32	880318	4	D	880397	PINK	34.0	0.30	0
32	880318	4	D	880398	PINK	33.0	0.28	0
32	880318	4	D	880399	PINK	33.0	0.24	0
32	880318	4	D	880400	PINK	35.0	0.26	0
32	880318	4	D	880401	PINK	33.0	0.22	0
32	880318	5	E	880538	CHIN	39.0	0.58	0
32	880318	5	E	880539	CHIN	35.0	0.38	0
32	880318	5	E	880540	CHIN	40.0	0.62	0
32	880318	5	E	880528	CHUM	38.0	0.34	0
32	880318	5	E	880529	CHUM	40.0	0.46	0
32	880318	5	E	880530	CHUM	38.0	0.38	0
32	880318	5	E	880531	CHUM	38.0	0.40	0
32	880318	5	E	880532	CHUM	37.0	0.36	0
32	880318	5	E	880533	CHUM	37.0	0.36	0
32	880318	5	E	880534	CHUM	39.0	0.38	0
32	880318	5	E	880535	CHUM	37.0	0.36	0
32	880318	5	E	880536	CHUM	38.0	0.38	0
32	880318	5	E	880537	CHUM	37.0	0.42	0
32	880318	5	E	880545	CHUM	45.0	0.72	0
32	880318	5	E	880541	PINK	30.0	0.16	0
32	880318	5	E	880542	PINK	35.0	0.24	0
32	880318	5	E	880543	PINK	34.0	0.22	0
32	880318	5	E	880544	PINK	33.0	0.16	0
32	880318	5	E	880546	PINK	32.0	0.18	0
32	880318	5	E	880547	PINK	33.0	0.26	0
32	880318	5	E	880548	PINK	33.0	0.18	0
33	880321	1	A	880407	CHIN	37.0	0.48	0
33	880321	1	A	880409	CHUM	39.0	0.36	0
33	880321	1	A	880410	CHUM	38.0	0.38	0
33	880321	1	A	880411	CHUM	36.0	0.42	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
33	880321	1	A	880412	CHUM	42.0	0.46	0
33	880321	1	A	880413	CHUM	44.0	0.66	0
33	880321	1	A	880408	COHO	37.0	0.42	0
33	880321	1	A	880402	PINK	34.0	0.24	0
33	880321	1	A	880403	PINK	32.0	0.16	0
33	880321	1	A	880404	PINK	32.0	0.24	0
33	880321	1	A	880405	PINK	34.0	0.22	0
33	880321	1	A	880406	PINK	34.0	0.16	0
33	880321	2	B	880421	CHUM	36.0	0.36	0
33	880321	2	B	880422	CHUM	34.0	0.28	0
33	880321	2	B	880423	CHUM	38.0	0.42	0
33	880321	2	B	880424	CHUM	34.0	0.26	0
33	880321	2	B	880425	CHUM	35.0	0.30	0
33	880321	2	B	880414	PINK	33.0	0.28	0
33	880321	2	B	880415	PINK	33.0	0.20	0
33	880321	2	B	880416	PINK	34.0	0.26	0
33	880321	2	B	880417	PINK	32.0	0.24	0
33	880321	2	B	880418	PINK	33.0	0.24	0
33	880321	2	B	880419	PINK	33.0	0.24	0
33	880321	2	B	880420	PINK	34.0	0.22	0
33	880321	3	C	880428	CHIN	38.0	0.60	0
33	880321	3	C	880426	CHUM	42.0	0.62	0
33	880321	3	C	880427	CHUM	45.0	0.68	0
33	880321	3	C	880429	CHUM	37.0	0.40	0
33	880321	3	C	880430	CHUM	37.0	0.28	0
33	880321	3	C	880431	CHUM	37.0	0.40	0
33	880321	3	C	880440	CHUM	32.0	0.16	0
33	880321	3	C	880444	CHUM	33.0	0.26	0
33	880321	3	C	880445	CHUM	33.0	0.22	0
33	880321	3	C	880446	CHUM	32.0	0.20	0
33	880321	3	C	880447	CHUM	35.0	0.22	0
33	880321	3	C	880451	CHUM	33.0	0.22	0
33	880321	3	C	880452	CHUM	34.0	0.22	0
33	880321	3	C	880453	CHUM	33.0	0.20	0
33	880321	3	C	880432	PINK	35.0	0.26	0
33	880321	3	C	880433	PINK	33.0	0.22	0
33	880321	3	C	880434	PINK	33.0	0.24	0
33	880321	3	C	880435	PINK	33.0	0.24	0
33	880321	3	C	880436	PINK	34.0	0.28	0
33	880321	3	C	880437	PINK	32.0	0.26	0
33	880321	3	C	880438	PINK	34.0	0.22	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
33	880321	3	C	880439	PINK	30.0	0.14	0
33	880321	3	C	880441	PINK	33.0	0.24	0
33	880321	3	C	880442	PINK	32.0	0.16	0
33	880321	3	C	880443	PINK	32.0	0.16	0
33	880321	3	C	880448	PINK	35.0	0.22	0
33	880321	3	C	880449	PINK	35.0	0.24	0
33	880321	3	C	880450	PINK	32.0	0.16	0
34	880324	1	A	880454	CHIN	38.0	0.60	0
34	880324	1	A	880455	CHIN	40.0	0.56	0
34	880324	1	A	880462	CHUM	33.0	0.24	0
34	880324	1	A	880463	CHUM	37.0	0.42	0
34	880324	1	A	880464	CHUM	35.0	0.36	0
34	880324	1	A	880465	CHUM	37.0	0.38	0
34	880324	1	A	880466	CHUM	35.0	0.40	0
34	880324	1	A	880467	CHUM	38.0	0.44	0
34	880324	1	A	880468	CHUM	34.0	0.28	0
34	880324	1	A	880469	CHUM	32.0	0.22	0
34	880324	1	A	880470	CHUM	33.0	0.24	0
34	880324	1	A	880471	CHUM	32.0	0.22	0
34	880324	1	A	880456	PINK	34.0	0.30	0
34	880324	1	A	880457	PINK	33.0	0.26	0
34	880324	1	A	880458	PINK	35.0	0.28	0
34	880324	1	A	880459	PINK	35.0	0.28	0
34	880324	1	A	880460	PINK	32.0	0.24	0
34	880324	1	A	880461	PINK	34.0	0.28	0
34	880324	2	B	880472	CHIN	42.0	0.78	0
34	880324	2	B	880473	CHIN	35.0	0.40	0
34	880324	2	B	880475	CHUM	38.0	0.40	0
34	880324	2	B	880476	CHUM	35.0	0.36	0
34	880324	2	B	880479	CHUM	34.0	0.30	0
34	880324	2	B	880480	CHUM	35.0	0.30	0
34	880324	2	B	880474	PINK	31.0	0.20	0
34	880324	2	B	880477	PINK	33.0	0.30	0
34	880324	2	B	880478	PINK	30.0	0.20	0
34	880324	2	B	880481	PINK	34.0	0.26	0
34	880324	2	B	880482	PINK	32.0	0.22	0
34	880324	3	C	880484	CHIN	37.0	0.48	0
34	880324	3	C	880485	CHIN	38.0	0.58	0
34	880324	3	C	880483	CHUM	48.0	0.94	0
34	880324	3	C	880486	CHUM	40.0	0.36	0
34	880324	3	C	880487	CHUM	42.0	0.54	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
34	880324	3	C	880488	CHUM	37.0	0.32	0
34	880324	3	C	880489	CHUM	34.0	0.20	0
34	880324	3	C	880490	PINK	35.0	0.24	0
34	880324	3	C	880491	PINK	32.0	0.22	0
34	880324	3	C	880492	PINK	33.0	0.22	0
34	880324	3	C	880493	PINK	34.0	0.20	0
34	880324	3	C	880494	PINK	30.0	0.14	0
34	880324	3	C	880495	PINK	34.0	0.24	0
34	880324	3	C	880496	PINK	34.0	0.22	0
34	880324	3	C	880497	PINK	34.0	0.18	0
34	880324	4	D	880498	CHIN	44.0	0.78	0
34	880324	4	D	880499	CHIN	38.0	0.48	0
34	880324	4	D	880500	PINK	34.0	0.20	0
34	880324	4	D	880501	PINK	34.0	0.26	0
34	880324	4	D	880502	PINK	33.0	0.22	0
34	880324	4	D	880503	PINK	34.0	0.26	0
34	880324	4	D	880504	PINK	34.0	0.26	0
34	880324	4	D	880505	PINK	34.0	0.24	0
34	880324	4	D	880506	PINK	34.0	0.24	0
34	880324	4	D	880507	PINK	35.0	0.28	0
34	880324	4	D	880508	PINK	33.0	0.22	0
34	880324	4	D	880509	PINK	34.0	0.24	0
34	880324	5	E	880510	CHIN	41.0	0.66	0
34	880324	5	E	880511	CHUM	43.0	0.60	0
34	880324	5	E	880512	CHUM	34.0	0.26	0
34	880324	5	E	880513	CHUM	35.0	0.34	0
34	880324	5	E	880514	CHUM	37.0	0.34	0
34	880324	5	E	880515	PINK	35.0	0.28	0
34	880324	5	E	880516	PINK	35.0	0.28	0
34	880324	5	E	880517	PINK	31.0	0.20	0
34	880324	5	E	880518	PINK	34.0	0.26	0
34	880324	5	E	880519	PINK	31.0	0.16	0
34	880324	5	E	880520	PINK	33.0	0.18	0
34	880324	5	E	880521	PINK	31.0	0.18	0
34	880324	5	E	880522	PINK	34.0	0.20	0
34	880324	5	E	880523	PINK	33.0	0.18	0
34	880324	5	E	880524	PINK	33.0	0.24	0
34	880324	5	E	880525	PINK	34.0	0.22	0
34	880324	5	E	880526	PINK	34.0	0.24	0
34	880324	5	E	880527	PINK	34.0	0.20	0
35	880325	1	A	880549	CHIN	40.0	0.62	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
35	880325	1	A	880551	CHUM	43.0	0.58	0
35	880325	1	A	880552	CHUM	35.0	0.34	0
35	880325	1	A	880550	PINK	33.0	0.24	0
35	880325	2	B	880553	CHIN	40.0	0.62	0
35	880325	2	B	880554	CHIN	38.0	0.54	0
35	880325	2	B	880567	CHUM	34.0	0.26	0
35	880325	2	B	880568	CHUM	39.0	0.40	0
35	880325	2	B	880555	PINK	34.0	0.24	0
35	880325	2	B	880556	PINK	34.0	0.28	0
35	880325	2	B	880557	PINK	34.0	0.28	0
35	880325	2	B	880558	PINK	33.0	0.22	0
35	880325	2	B	880559	PINK	33.0	0.22	0
35	880325	2	B	880560	PINK	34.0	0.20	0
35	880325	2	B	880561	PINK	35.0	0.26	0
35	880325	2	B	880562	PINK	34.0	0.22	0
35	880325	2	B	880563	PINK	34.0	0.24	0
35	880325	2	B	880564	PINK	34.0	0.24	0
35	880325	2	B	880565	PINK	34.0	0.22	0
35	880325	2	B	880566	PINK	34.0	0.26	0
35	880325	3	C	880569	CHIN	40.0	0.66	0
35	880325	3	C	880570	CHIN	40.0	0.58	0
35	880325	3	C	880572	CHUM	40.0	0.52	0
35	880325	3	C	880574	CHUM	34.0	0.24	0
35	880325	3	C	880571	PINK	33.0	0.24	0
35	880325	3	C	880573	PINK	34.0	0.22	0
35	880325	4	D	880575	CHIN	37.0	0.46	0
35	880325	4	D	880576	CHIN	38.0	0.52	0
35	880325	4	D	880577	CHIN	40.0	0.56	0
35	880325	4	D	880578	CHIN	38.0	0.60	0
35	880325	4	D	880579	CHUM	39.0	0.46	0
35	880325	4	D	880582	CHUM	39.0	0.42	0
35	880325	4	D	880585	CHUM	36.0	0.32	0
35	880325	4	D	880586	CHUM	37.0	0.40	0
35	880325	4	D	880587	CHUM	35.0	0.30	0
35	880325	4	D	880580	PINK	32.0	0.24	0
35	880325	4	D	880581	PINK	32.0	0.24	0
35	880325	4	D	880583	PINK	32.0	0.24	0
35	880325	4	D	880584	PINK	33.0	0.24	0
35	880325	5	E	880588	CHIN	40.0	0.62	0
35	880325	5	E	880597	CHIN	40.0	0.56	0
35	880325	5	E	880589	PINK	34.0	0.26	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
35	880325	5	E	880590	PINK	34.0	0.24	0
35	880325	5	E	880591	PINK	34.0	0.24	0
35	880325	5	E	880592	PINK	29.0	0.16	0
35	880325	5	E	880593	PINK	35.0	0.24	0
35	880325	5	E	880594	PINK	32.0	0.20	0
35	880325	5	E	880595	PINK	34.0	0.24	0
35	880325	5	E	880596	PINK	34.0	0.22	0
36	880329	1	A	880604	CHIN	38.0	0.54	0
36	880329	1	A	880605	CHIN	38.0	0.56	0
36	880329	1	A	880598	PINK	33.0	0.22	0
36	880329	1	A	880600	PINK	34.0	0.24	0
36	880329	1	A	880601	PINK	32.0	0.26	0
36	880329	1	A	880602	PINK	33.0	0.28	0
36	880329	1	A	880603	PINK	34.0	0.26	0
36	880329	1	A	880606	PINK	33.0	0.22	0
36	880329	1	A	880599	SOCK	87.0	5.12	0
36	880329	2	B	880607	CHIN	38.0	0.58	0
36	880329	2	B	880608	CHIN	35.0	0.40	0
36	880329	2	B	880611	CHUM	35.0	0.28	0
36	880329	2	B	880609	PINK	33.0	0.24	0
36	880329	2	B	880610	PINK	35.0	0.24	0
36	880329	2	B	880612	PINK	33.0	0.20	0
36	880329	2	B	880613	PINK	35.0	0.26	0
36	880329	2	B	880614	PINK	35.0	0.22	0
36	880329	3	D	880615	CHIN	37.0	0.56	0
36	880329	3	D	880616	CHIN	39.0	0.68	0
36	880329	3	D	880617	PINK	34.0	0.28	0
36	880329	4	C	880618	CHIN	42.0	0.68	0
36	880329	4	C	880619	CHIN	41.0	0.60	0
36	880329	4	C	880620	CHUM	45.0	0.90	0
36	880329	4	C	880621	CHUM	44.0	0.62	0
36	880329	4	C	880622	CHUM	34.0	0.26	0
36	880329	4	C	880625	CHUM	35.0	0.26	0
36	880329	4	C	880630	CHUM	39.0	0.40	0
36	880329	4	C	880623	PINK	33.0	0.18	0
36	880329	4	C	880624	PINK	35.0	0.20	0
36	880329	4	C	880626	PINK	32.0	0.18	0
36	880329	4	C	880627	PINK	32.0	0.14	0
36	880329	4	C	880628	PINK	32.0	0.18	0
36	880329	4	C	880629	PINK	33.0	0.18	0
36	880329	4	C	880631	PINK	34.0	0.22	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
36	880329	5	E	880633	CHIN	42.0	0.66	0
36	880329	5	E	880640	CHIN	37.0	0.50	0
36	880329	5	E	880632	CHUM	31.0	0.24	0
36	880329	5	E	880636	CHUM	37.0	0.36	0
36	880329	5	E	880639	CHUM	37.0	0.38	0
36	880329	5	E	880641	CHUM	39.0	0.46	0
36	880329	5	E	880646	CHUM	37.0	0.32	0
36	880329	5	E	880634	PINK	31.0	0.16	0
36	880329	5	E	880635	PINK	35.0	0.24	0
36	880329	5	E	880637	PINK	32.0	0.18	0
36	880329	5	E	880638	PINK	31.0	0.18	0
36	880329	5	E	880642	PINK	34.0	0.20	0
36	880329	5	E	880643	PINK	31.0	0.16	0
36	880329	5	E	880644	PINK	34.0	0.24	0
36	880329	5	E	880645	PINK	31.0	0.20	0
37	880330	1	A	880647	CHIN	41.0	0.62	0
37	880330	1	A	880648	CHIN	40.0	0.62	0
37	880330	2	B	880652	CHIN	41.0	0.70	0
37	880330	2	B	880654	CHIN	40.0	0.64	0
37	880330	2	B	880651	CHUM	38.0	0.54	0
37	880330	2	B	880653	CHUM	34.0	0.30	0
37	880330	2	B	880649	PINK	33.0	0.28	0
37	880330	2	B	880650	PINK	35.0	0.30	0
37	880330	2	B	880655	PINK	33.0	0.24	0
37	880330	3	C	880658	CHIN	41.0	0.72	0
37	880330	3	C	880659	CHIN	42.0	0.74	0
37	880330	3	C	880656	PINK	33.0	0.22	0
37	880330	3	C	880657	PINK	33.0	0.24	0
37	880330	4	D	880663	CHIN	40.0	0.64	0
37	880330	4	D	880664	CHIN	39.0	0.58	0
37	880330	4	D	880665	CHUM	36.0	0.40	0
37	880330	4	D	880666	CHUM	38.0	0.36	0
37	880330	4	D	880669	CHUM	36.0	0.34	0
37	880330	4	D	880660	PINK	32.0	0.24	0
37	880330	4	D	880661	PINK	33.0	0.22	0
37	880330	4	D	880662	PINK	33.0	0.20	0
37	880330	4	D	880667	PINK	34.0	0.20	0
37	880330	4	D	880668	PINK	35.0	0.30	0
37	880330	5	E	880672	CHIN	37.0	0.48	0
37	880330	5	E	880679	CHIN	40.0	0.60	0
37	880330	5	E	880671	CHUM	41.0	0.62	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
37	880330	5	E	880674	CHUM	38.0	0.40	0
37	880330	5	E	880680	CHUM	38.0	0.36	0
37	880330	5	E	880681	CHUM	40.0	0.38	0
37	880330	5	E	880682	CHUM	37.0	0.38	0
37	880330	5	E	880670	PINK	31.0	0.20	0
37	880330	5	E	880673	PINK	35.0	0.28	0
37	880330	5	E	880675	PINK	34.0	0.24	0
37	880330	5	E	880676	PINK	31.0	0.16	0
37	880330	5	E	880677	PINK	33.0	0.24	0
37	880330	5	E	880678	PINK	33.0	0.16	0
38	880406	1	A	880685	CHIN	40.0	0.70	0
38	880406	1	A	880683	PINK	34.0	0.20	0
38	880406	1	A	880684	PINK	30.0	0.16	0
38	880406	2	B	880691	CHIN	39.0	0.56	0
38	880406	2	B	880693	CHIN	37.0	0.44	0
38	880406	2	B	880687	CHUM	48.0	0.92	0
38	880406	2	B	880692	CHUM	30.0	0.18	0
38	880406	2	B	880694	CHUM	36.0	0.38	0
38	880406	2	B	880686	PINK	34.0	0.24	0
38	880406	2	B	880688	PINK	33.0	0.22	0
38	880406	2	B	880689	PINK	36.0	0.26	0
38	880406	2	B	880690	PINK	34.0	0.22	0
38	880406	3	C	880700	CHIN	38.0	0.52	0
38	880406	3	C	880721	CHIN	37.0	0.44	0
38	880406	3	C	880725	CHIN	44.0	0.92	0
38	880406	3	C	880736	CHIN	38.0	0.50	0
38	880406	3	C	880698	CHUM	35.0	0.32	0
38	880406	3	C	880701	CHUM	36.0	0.38	0
38	880406	3	C	880702	CHUM	36.0	0.32	0
38	880406	3	C	880714	CHUM	38.0	0.36	0
38	880406	3	C	880715	CHUM	36.0	0.34	0
38	880406	3	C	880716	CHUM	37.0	0.32	0
38	880406	3	C	880717	CHUM	33.0	0.32	0
38	880406	3	C	880722	CHUM	33.0	0.22	0
38	880406	3	C	880726	CHUM	41.0	0.54	0
38	880406	3	C	880730	CHUM	34.0	0.26	0
38	880406	3	C	880732	CHUM	32.0	0.34	0
38	880406	3	C	880734	CHUM	38.0	0.30	0
38	880406	3	C	880735	CHUM	36.0	0.28	0
38	880406	3	C	880696	PINK	35.0	0.24	0
38	880406	3	C	880697	PINK	36.0	0.28	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
38	880406	3	C	880699	PINK	33.0	0.20	0
38	880406	3	C	880703	PINK	34.0	0.24	0
38	880406	3	C	880704	PINK	32.0	0.20	0
38	880406	3	C	880705	PINK	36.0	0.22	0
38	880406	3	C	880706	PINK	33.0	0.22	0
38	880406	3	C	880707	PINK	34.0	0.24	0
38	880406	3	C	880708	PINK	33.0	0.22	0
38	880406	3	C	880709	PINK	33.0	0.22	0
38	880406	3	C	880710	PINK	33.0	0.22	0
38	880406	3	C	880711	PINK	32.0	0.18	0
38	880406	3	C	880712	PINK	32.0	0.18	0
38	880406	3	C	880713	PINK	34.0	0.22	0
38	880406	3	C	880718	PINK	30.0	0.20	0
38	880406	3	C	880719	PINK	29.0	0.14	0
38	880406	3	C	880720	PINK	34.0	0.20	0
38	880406	3	C	880723	PINK	34.0	0.22	0
38	880406	3	C	880724	PINK	33.0	0.20	0
38	880406	3	C	880727	PINK	34.0	0.26	0
38	880406	3	C	880728	PINK	35.0	0.22	0
38	880406	3	C	880729	PINK	34.0	0.22	0
38	880406	3	C	880731	PINK	34.0	0.26	0
38	880406	3	C	880733	PINK	31.0	0.14	0
38	880406	3	C	880737	PINK	32.0	0.20	0
38	880406	3	C	880738	PINK	32.0	0.20	0
38	880406	3	C	880739	PINK	33.0	0.18	0
38	880406	3	C	880740	PINK	34.0	0.20	0
38	880406	3	C	880741	PINK	32.0	0.18	0
38	880406	3	C	880742	PINK	32.0	0.16	0
38	880406	3	C	880695	SOCK	104.0	9.90	0
38	880406	4	D	880746	CHIN	40.0	0.52	0
38	880406	4	D	880748	CHIN	40.0	0.46	0
38	880406	4	D	880750	CHUM	34.0	0.28	0
38	880406	4	D	880752	CHUM	36.0	0.32	0
38	880406	4	D	880743	PINK	31.0	0.20	0
38	880406	4	D	880744	PINK	34.0	0.24	0
38	880406	4	D	880745	PINK	33.0	0.22	0
38	880406	4	D	880747	PINK	34.0	0.20	0
38	880406	4	D	880749	PINK	34.0	0.22	0
38	880406	4	D	880751	PINK	30.0	0.14	0
38	880406	5	E	880754	CHIN	40.0	0.60	0
38	880406	5	E	880757	CHIN	40.0	0.60	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
38	880406	5	E	880761	CHIN	34.0	0.38	0
38	880406	5	E	880762	CHIN	39.0	0.56	0
38	880406	5	E	880763	CHIN	38.0	0.48	0
38	880406	5	E	880753	CHUM	33.0	0.30	0
38	880406	5	E	880756	CHUM	36.0	0.38	0
38	880406	5	E	880755	PINK	33.0	0.22	0
38	880406	5	E	880758	PINK	29.0	0.18	0
38	880406	5	E	880759	PINK	34.0	0.24	0
38	880406	5	E	880760	PINK	33.0	0.20	0
39	880413	1	A	880766	CHIN	38.0	0.52	0
39	880413	1	A	880770	CHIN	38.0	0.50	0
39	880413	1	A	880772	CHIN	40.0	0.52	0
39	880413	1	A	880764	CHUM	32.0	0.20	0
39	880413	1	A	880767	CHUM	48.0	0.86	0
39	880413	1	A	880769	CHUM	37.0	0.38	0
39	880413	1	A	880771	CHUM	48.0	0.92	0
39	880413	1	A	880765	PINK	32.0	0.20	0
39	880413	1	A	880768	PINK	34.0	0.24	0
39	880413	2	B	880775	CHIN	39.0	0.48	0
39	880413	2	B	880776	CHIN	38.0	0.52	0
39	880413	2	B	880784	CHIN	43.0	0.74	0
39	880413	2	B	880785	CHIN	41.0	0.62	0
39	880413	2	B	880773	CHUM	63.0	1.88	0
39	880413	2	B	880779	CHUM	38.0	0.36	0
39	880413	2	B	880783	CHUM	51.0	1.02	0
39	880413	2	B	880786	CHUM	55.0	1.16	0
39	880413	2	B	880787	CHUM	51.0	0.88	0
39	880413	2	B	880780	COHO	57.0	1.50	0
39	880413	2	B	880774	PINK	29.0	0.16	0
39	880413	2	B	880777	PINK	34.0	0.24	0
39	880413	2	B	880778	PINK	33.0	0.22	0
39	880413	2	B	880781	PINK	33.0	0.20	0
39	880413	2	B	880782	PINK	32.0	0.22	0
39	880413	3	C	880788	CHIN	100.0	8.70	0
39	880413	3	C	880799	CHIN	42.0	0.64	0
39	880413	3	C	880811	CHIN	38.0	0.54	0
39	880413	3	C	880789	CHUM	60.0	1.56	0
39	880413	3	C	880793	CHUM	33.0	0.22	0
39	880413	3	C	880798	CHUM	61.0	1.68	0
39	880413	3	C	880800	CHUM	38.0	0.34	0
39	880413	3	C	880803	CHUM	48.0	0.86	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
39	880413	3	C	880805	CHUM	32.0	0.22	0
39	880413	3	C	880806	CHUM	62.0	1.90	0
39	880413	3	C	880807	CHUM	53.0	1.14	0
39	880413	3	C	880808	CHUM	44.0	0.62	0
39	880413	3	C	880809	CHUM	53.0	1.14	0
39	880413	3	C	880812	CHUM	50.0	0.90	0
39	880413	3	C	880813	CHUM	49.0	0.96	0
39	880413	3	C	880814	CHUM	46.0	0.78	0
39	880413	3	C	880790	PINK	31.0	0.20	0
39	880413	3	C	880791	PINK	30.0	0.14	0
39	880413	3	C	880792	PINK	35.0	0.22	0
39	880413	3	C	880794	PINK	30.0	0.18	0
39	880413	3	C	880795	PINK	32.0	0.18	0
39	880413	3	C	880796	PINK	32.0	0.20	0
39	880413	3	C	880797	PINK	34.0	0.18	0
39	880413	3	C	880801	PINK	36.0	0.22	0
39	880413	3	C	880802	PINK	30.0	0.20	0
39	880413	3	C	880804	PINK	33.0	0.20	0
39	880413	3	C	880810	PINK	35.0	0.22	0
39	880413	4	D	880815	CHIN	93.0	8.24	0
39	880413	4	D	880816	CHIN	104.0	10.40	0
39	880413	4	D	880821	CHIN	38.0	0.50	0
39	880413	4	D	880820	CHUM	48.0	0.86	0
39	880413	4	D	880822	CHUM	54.0	1.28	0
39	880413	4	D	880826	CHUM	37.0	0.38	0
39	880413	4	D	880827	CHUM	51.0	1.08	0
39	880413	4	D	880828	CHUM	54.0	1.10	0
39	880413	4	D	880831	CHUM	58.0	1.46	0
39	880413	4	D	880832	CHUM	42.0	0.56	0
39	880413	4	D	880837	CHUM	34.0	0.22	0
39	880413	4	D	880840	CHUM	31.0	0.14	0
39	880413	4	D	880817	PINK	35.0	0.26	0
39	880413	4	D	880818	PINK	33.0	0.20	0
39	880413	4	D	880819	PINK	34.0	0.24	0
39	880413	4	D	880823	PINK	33.0	0.20	0
39	880413	4	D	880824	PINK	34.0	0.20	0
39	880413	4	D	880825	PINK	32.0	0.18	0
39	880413	4	D	880829	PINK	33.0	0.24	0
39	880413	4	D	880830	PINK	35.0	0.24	0
39	880413	4	D	880833	PINK	32.0	0.18	0
39	880413	4	D	880834	PINK	34.0	0.22	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
39	880413	4	D	880835	PINK	32.0	0.20	0
39	880413	4	D	880836	PINK	34.0	0.24	0
39	880413	4	D	880838	PINK	32.0	0.20	0
39	880413	4	D	880839	PINK	31.0	0.14	0
39	880413	4	D	880841	PINK	34.0	0.20	0
39	880413	5	E	880842	CHIN	100.0	10.54	0
39	880413	5	E	880843	CHIN	104.0	10.44	0
39	880413	5	E	880844	CHIN	94.0	9.02	0
39	880413	5	E	880845	CHIN	87.0	6.50	0
39	880413	5	E	880846	CHIN	41.0	0.62	0
39	880413	5	E	880851	CHIN	50.0	1.20	0
39	880413	5	E	880860	CHIN	40.0	0.54	0
39	880413	5	E	880864	CHIN	38.0	0.52	0
39	880413	5	E	880866	CHIN	38.0	0.52	0
39	880413	5	E	880867	CHIN	40.0	0.58	0
39	880413	5	E	880876	CHIN	42.0	0.64	0
39	880413	5	E	880847	CHUM	46.0	0.82	0
39	880413	5	E	880848	CHUM	49.0	0.96	0
39	880413	5	E	880849	CHUM	59.0	1.62	0
39	880413	5	E	880850	CHUM	45.0	0.62	0
39	880413	5	E	880852	CHUM	48.0	0.84	0
39	880413	5	E	880853	CHUM	49.0	0.86	0
39	880413	5	E	880854	CHUM	47.0	0.76	0
39	880413	5	E	880855	CHUM	49.0	0.86	0
39	880413	5	E	880856	CHUM	51.0	1.14	0
39	880413	5	E	880857	CHUM	34.0	0.30	0
39	880413	5	E	880858	CHUM	49.0	0.92	0
39	880413	5	E	880862	CHUM	49.0	0.96	0
39	880413	5	E	880863	CHUM	54.0	1.16	0
39	880413	5	E	880865	CHUM	45.0	0.70	0
39	880413	5	E	880869	CHUM	43.0	0.56	0
39	880413	5	E	880870	CHUM	50.0	0.96	0
39	880413	5	E	880871	CHUM	49.0	0.92	0
39	880413	5	E	880872	CHUM	47.0	0.12	0
39	880413	5	E	880873	CHUM	48.0	0.82	0
39	880413	5	E	880875	CHUM	39.0	0.38	0
39	880413	5	E	880859	PINK	34.0	0.18	0
39	880413	5	E	880861	PINK	34.0	0.24	0
39	880413	5	E	880868	PINK	34.0	0.18	0
39	880413	5	E	880874	PINK	34.0	0.20	0
39	880413	5	E	880877	PINK	31.0	0.18	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
39	880413	5	E	880878	PINK	33.0	0.22	0
40	880414	1	A	880879	CHIN	87.0	6.22	0
40	880414	1	A	880886	CHIN	40.0	0.64	0
40	880414	1	A	880888	CHIN	39.0	0.50	0
40	880414	1	A	880889	CHIN	41.0	0.66	0
40	880414	1	A	880890	CHIN	39.0	0.54	0
40	880414	1	A	880903	CHIN	39.0	0.50	0
40	880414	1	A	880880	CHUM	40.0	0.48	0
40	880414	1	A	880881	CHUM	35.0	0.34	0
40	880414	1	A	880882	CHUM	52.0	1.06	0
40	880414	1	A	880891	CHUM	48.0	0.80	0
40	880414	1	A	880893	CHUM	36.0	0.38	0
40	880414	1	A	880896	CHUM	27.0	0.32	0
40	880414	1	A	880898	CHUM	38.0	0.36	0
40	880414	1	A	880899	CHUM	61.0	1.80	0
40	880414	1	A	880900	CHUM	51.0	1.04	0
40	880414	1	A	880902	CHUM	39.0	0.32	0
40	880414	1	A	880883	PINK	36.0	0.26	0
40	880414	1	A	880884	PINK	32.0	0.22	0
40	880414	1	A	880885	PINK	31.0	0.20	0
40	880414	1	A	880887	PINK	34.0	0.24	0
40	880414	1	A	880892	PINK	31.0	0.16	0
40	880414	1	A	880894	PINK	32.0	0.20	0
40	880414	1	A	880895	PINK	29.0	0.14	0
40	880414	1	A	880897	PINK	34.0	0.24	0
40	880414	1	A	880901	PINK	33.0	0.18	0
40	880414	2	E	880908	CHIN	38.0	0.40	0
40	880414	2	E	880913	CHIN	44.0	0.68	0
40	880414	2	E	880904	CHUM	49.0	0.84	0
40	880414	2	E	880907	CHUM	44.0	0.62	0
40	880414	2	E	880911	CHUM	51.0	1.08	0
40	880414	2	E	880905	PINK	34.0	0.24	0
40	880414	2	E	880906	PINK	33.0	0.14	0
40	880414	2	E	880909	PINK	33.0	0.20	0
40	880414	2	E	880910	PINK	32.0	0.24	0
40	880414	2	E	880912	PINK	34.0	0.22	0
40	880414	2	E	880914	PINK	35.0	0.22	0
40	880414	2	E	880915	PINK	32.0	0.18	0
40	880414	2	E	880916	PINK	35.0	0.20	0
40	880414	2	E	880917	PINK	35.0	0.16	0
40	880414	2	E	880918	PINK	33.0	0.18	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
40	880414	3	D	880919	CHIN	98.0	9.10	0
40	880414	3	D	880921	CHIN	99.0	8.70	0
40	880414	3	D	880923	CHIN	98.0	9.54	0
40	880414	3	D	880924	CHIN	40.0	0.56	0
40	880414	3	D	880934	CHIN	41.0	0.60	0
40	880414	3	D	880935	CHIN	40.0	0.60	0
40	880414	3	D	880939	CHIN	42.0	0.68	0
40	880414	3	D	880943	CHIN	36.0	0.40	0
40	880414	3	D	880926	CHUM	47.0	0.84	0
40	880414	3	D	880927	CHUM	50.0	1.02	0
40	880414	3	D	880929	CHUM	42.0	0.54	0
40	880414	3	D	880933	CHUM	46.0	0.78	0
40	880414	3	D	880938	CHUM	40.0	0.50	0
40	880414	3	D	880940	CHUM	50.0	1.00	0
40	880414	3	D	880941	CHUM	51.0	1.02	0
40	880414	3	D	880942	CHUM	34.0	0.28	0
40	880414	3	D	880945	CHUM	50.0	0.86	0
40	880414	3	D	880947	CHUM	48.0	0.76	0
40	880414	3	D	880944	COHO	39.0	0.54	0
40	880414	3	D	880925	PINK	30.0	0.16	0
40	880414	3	D	880928	PINK	33.0	0.18	0
40	880414	3	D	880930	PINK	31.0	0.20	0
40	880414	3	D	880931	PINK	34.0	0.22	0
40	880414	3	D	880932	PINK	33.0	0.24	0
40	880414	3	D	880936	PINK	34.0	0.22	0
40	880414	3	D	880937	PINK	36.0	0.24	0
40	880414	3	D	880946	PINK	32.0	0.20	0
40	880414	3	D	880920	SOCK	74.0	3.42	0
40	880414	3	D	880922	SOCK	91.0	6.86	0
40	880414	4	C	880948	CHIN	92.0	7.80	0
40	880414	4	C	880949	CHIN	87.0	6.32	0
40	880414	4	C	880950	CHIN	40.0	0.54	0
40	880414	4	C	880951	CHIN	38.0	0.50	0
40	880414	4	C	880952	CHIN	41.0	0.58	0
40	880414	4	C	880953	CHIN	40.0	0.54	0
40	880414	4	C	880978	CHIN	44.0	0.70	0
40	880414	4	C	880954	CHUM	37.0	0.38	0
40	880414	4	C	880960	CHUM	35.0	0.32	0
40	880414	4	C	880965	CHUM	53.0	1.12	0
40	880414	4	C	880966	CHUM	60.0	1.54	0
40	880414	4	C	880967	CHUM	57.0	1.32	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
40	880414	4	C	880968	CHUM	53.0	1.14	0
40	880414	4	C	880969	CHUM	55.0	1.22	0
40	880414	4	C	880970	CHUM	50.0	0.92	0
40	880414	4	C	880971	CHUM	57.0	1.38	0
40	880414	4	C	880972	CHUM	61.0	1.50	0
40	880414	4	C	880973	CHUM	55.0	1.12	0
40	880414	4	C	880974	CHUM	54.0	1.22	0
40	880414	4	C	880975	CHUM	52.0	0.88	0
40	880414	4	C	880976	CHUM	42.0	0.62	0
40	880414	4	C	880977	CHUM	52.0	1.02	0
40	880414	4	C	880979	CHUM	48.0	0.78	0
40	880414	4	C	880980	CHUM	39.0	0.36	0
40	880414	4	C	880955	PINK	32.0	0.22	0
40	880414	4	C	880956	PINK	34.0	0.22	0
40	880414	4	C	880957	PINK	34.0	0.22	0
40	880414	4	C	880958	PINK	32.0	0.18	0
40	880414	4	C	880959	PINK	34.0	0.24	0
40	880414	4	C	880961	PINK	32.0	0.26	0
40	880414	4	C	880962	PINK	36.0	0.24	0
40	880414	4	C	880963	PINK	33.0	0.20	0
40	880414	4	C	880964	PINK	31.0	0.14	0
40	880414	4	C	880981	PINK	34.0	0.20	0
40	880414	4	C	880982	PINK	34.0	0.20	0
40	880414	4	C	880983	PINK	33.0	0.18	0
40	880414	4	C	880984	PINK	32.0	0.16	0
40	880414	4	C	880985	PINK	33.0	0.20	0
40	880414	4	C	880986	PINK	32.0	0.16	0
40	880414	4	C	880987	PINK	33.0	0.16	0
40	880414	4	C	880988	PINK	33.0	0.20	0
40	880414	5	B	880989	CHIN	91.0	7.20	0
40	880414	5	B	880990	CHIN	86.0	5.82	0
40	880414	5	B	880991	CHIN	91.0	7.70	0
40	880414	5	B	880992	CHIN	96.0	8.14	0
40	880414	5	B	880997	CHIN	46.0	0.90	0
40	880414	5	B	880998	CHIN	43.0	0.68	0
40	880414	5	B	880999	CHIN	43.0	0.70	0
40	880414	5	B	881005	CHIN	39.0	0.50	0
40	880414	5	B	881006	CHIN	40.0	0.46	0
40	880414	5	B	880993	CHUM	53.0	1.16	0
40	880414	5	B	880994	CHUM	52.0	1.06	0
40	880414	5	B	880995	CHUM	54.0	1.14	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
40	880414	5	B	880996	CHUM	52.0	1.20	0
40	880414	5	B	881000	CHUM	50.0	0.92	0
40	880414	5	B	881001	CHUM	48.0	0.88	0
40	880414	5	B	881002	CHUM	52.0	0.96	0
40	880414	5	B	881003	CHUM	55.0	1.06	0
40	880414	5	B	881004	CHUM	48.0	0.74	0
40	880414	5	B	881008	CHUM	51.0	0.90	0
40	880414	5	B	881009	CHUM	46.0	0.68	0
40	880414	5	B	881012	CHUM	47.0	0.72	0
40	880414	5	B	881007	PINK	33.0	0.18	0
40	880414	5	B	881010	PINK	33.0	0.18	0
40	880414	5	B	881011	PINK	31.0	0.16	0
41	880418	1	A	881013	CHIN	45.0	1.06	0
41	880418	1	A	881022	CHIN	38.0	0.50	0
41	880418	1	A	881016	CHUM	44.0	0.76	0
41	880418	1	A	881017	CHUM	39.0	0.46	0
41	880418	1	A	881021	CHUM	32.0	0.20	0
41	880418	1	A	881023	CHUM	36.0	0.36	0
41	880418	1	A	881024	CHUM	44.0	0.72	0
41	880418	1	A	881014	PINK	34.0	0.18	0
41	880418	1	A	881015	PINK	34.0	0.24	0
41	880418	1	A	881018	PINK	31.0	0.18	0
41	880418	1	A	881019	PINK	32.0	0.20	0
41	880418	1	A	881020	PINK	31.0	0.24	0
41	880419	2	B	881025	CHIN	38.0	0.50	0
41	880419	2	B	881046	CHUM	38.0	0.34	0
41	880419	2	B	881049	CHUM	37.0	0.36	0
41	880419	2	B	881026	PINK	32.0	0.20	0
41	880419	2	B	881027	PINK	34.0	0.22	0
41	880419	2	B	881028	PINK	30.0	0.18	0
41	880419	2	B	881029	PINK	33.0	0.24	0
41	880419	2	B	881030	PINK	34.0	0.22	0
41	880419	2	B	881031	PINK	36.0	0.24	0
41	880419	2	B	881032	PINK	34.0	0.30	0
41	880419	2	B	881033	PINK	32.0	0.30	0
41	880419	2	B	881034	PINK	32.0	0.24	0
41	880419	2	B	881035	PINK	31.0	0.22	0
41	880419	2	B	881036	PINK	32.0	0.20	0
41	880419	2	B	881037	PINK	32.0	0.20	0
41	880419	2	B	881038	PINK	33.0	0.22	0
41	880419	2	B	881039	PINK	32.0	0.22	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
41	880419	2	B	881040	PINK	33.0	0.24	0
41	880419	2	B	881041	PINK	34.0	0.22	0
41	880419	2	B	881042	PINK	33.0	0.20	0
41	880419	2	B	881043	PINK	32.0	0.18	0
41	880419	2	B	881044	PINK	32.0	0.20	0
41	880419	2	B	881045	PINK	32.0	0.18	0
41	880419	2	B	881047	PINK	32.0	0.20	0
41	880419	2	B	881048	PINK	32.0	0.18	0
41	880419	2	B	881050	PINK	32.0	0.20	0
41	880419	2	B	881051	PINK	34.0	0.22	0
41	880419	2	B	881052	PINK	28.0	0.10	0
41	880419	2	B	881053	PINK	34.0	0.18	0
41	880419	2	B	881054	PINK	32.0	0.22	0
41	880419	2	B	881055	PINK	33.0	0.18	0
41	880419	2	B	881056	PINK	34.0	0.22	0
41	880419	2	B	881057	PINK	31.0	0.16	0
41	880419	2	B	881058	PINK	28.0	0.12	0
41	880419	3	C	881060	CHUM	32.0	0.24	0
41	880419	3	C	881067	CHUM	38.0	0.42	0
41	880419	3	C	881069	CHUM	33.0	0.22	0
41	880419	3	C	881076	CHUM	31.0	0.18	0
41	880419	3	C	881078	CHUM	28.0	0.14	0
41	880419	3	C	881061	PINK	32.0	0.20	0
41	880419	3	C	881062	PINK	32.0	0.20	0
41	880419	3	C	881063	PINK	32.0	0.20	0
41	880419	3	C	881064	PINK	31.0	0.16	0
41	880419	3	C	881065	PINK	32.0	0.20	0
41	880419	3	C	881066	PINK	32.0	0.20	0
41	880419	3	C	881068	PINK	30.0	0.20	0
41	880419	3	C	881070	PINK	33.0	0.22	0
41	880419	3	C	881071	PINK	34.0	0.28	0
41	880419	3	C	881072	PINK	33.0	0.20	0
41	880419	3	C	881073	PINK	32.0	0.20	0
41	880419	3	C	881074	PINK	32.0	0.20	0
41	880419	3	C	881075	PINK	37.0	0.24	0
41	880419	3	C	881077	PINK	34.0	0.22	0
41	880419	3	C	881079	PINK	31.0	0.18	0
41	880419	3	C	881080	PINK	34.0	0.24	0
41	880419	3	C	881081	PINK	33.0	0.16	0
41	880419	3	C	881082	PINK	32.0	0.18	0
41	880419	3	C	881083	PINK	33.0	0.22	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
41	880419	3	C	881059	SOCK	65.0	2.28	0
41	880419	4	D	881086	CHIN	122.0	24.82	0
41	880419	4	D	881099	CHIN	39.0	0.48	0
41	880419	4	D	881088	CHUM	33.0	0.22	0
41	880419	4	D	881093	CHUM	36.0	0.34	0
41	880419	4	D	881104	CHUM	36.0	0.42	0
41	880419	4	D	881109	CHUM	31.0	0.22	0
41	880419	4	D	881117	CHUM	32.0	0.20	0
41	880419	4	D	881136	CHUM	37.0	0.38	0
41	880419	4	D	881170	CHUM	43.0	0.66	0
41	880419	4	D	881174	CHUM	33.0	0.20	0
41	880419	4	D	881175	CHUM	34.0	0.18	0
41	880419	4	D	881087	PINK	31.0	0.22	0
41	880419	4	D	881089	PINK	32.0	0.20	0
41	880419	4	D	881090	PINK	34.0	0.24	0
41	880419	4	D	881091	PINK	32.0	0.20	0
41	880419	4	D	881092	PINK	32.0	0.20	0
41	880419	4	D	881094	PINK	33.0	0.22	0
41	880419	4	D	881095	PINK	31.0	0.20	0
41	880419	4	D	881096	PINK	34.0	0.26	0
41	880419	4	D	881097	PINK	33.0	0.22	0
41	880419	4	D	881098	PINK	33.0	0.20	0
41	880419	4	D	881100	PINK	34.0	0.24	0
41	880419	4	D	881101	PINK	34.0	0.26	0
41	880419	4	D	881102	PINK	33.0	0.22	0
41	880419	4	D	881103	PINK	29.0	0.14	0
41	880419	4	D	881105	PINK	32.0	0.20	0
41	880419	4	D	881106	PINK	32.0	0.22	0
41	880419	4	D	881107	PINK	34.0	0.28	0
41	880419	4	D	881108	PINK	31.0	0.18	0
41	880419	4	D	881110	PINK	32.0	0.20	0
41	880419	4	D	881111	PINK	30.0	0.16	0
41	880419	4	D	881112	PINK	32.0	0.22	0
41	880419	4	D	881113	PINK	33.0	0.20	0
41	880419	4	D	881114	PINK	31.0	0.18	0
41	880419	4	D	881115	PINK	32.0	0.20	0
41	880419	4	D	881116	PINK	34.0	0.22	0
41	880419	4	D	881118	PINK	33.0	0.20	0
41	880419	4	D	881119	PINK	32.0	0.20	0
41	880419	4	D	881120	PINK	33.0	0.24	0
41	880419	4	D	881121	PINK	33.0	0.20	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
41	880419	4	D	881122	PINK	30.0	0.20	0
41	880419	4	D	881123	PINK	33.0	0.22	0
41	880419	4	D	881124	PINK	33.0	0.22	0
41	880419	4	D	881125	PINK	33.0	0.24	0
41	880419	4	D	881126	PINK	30.0	0.14	0
41	880419	4	D	881127	PINK	34.0	0.22	0
41	880419	4	D	881128	PINK	34.0	0.20	0
41	880419	4	D	881129	PINK	35.0	0.26	0
41	880419	4	D	881130	PINK	29.0	0.14	0
41	880419	4	D	881131	PINK	33.0	0.22	0
41	880419	4	D	881132	PINK	33.0	0.22	0
41	880419	4	D	881133	PINK	34.0	0.22	0
41	880419	4	D	881134	PINK	33.0	0.22	0
41	880419	4	D	881135	PINK	33.0	0.22	0
41	880419	4	D	881137	PINK	34.0	0.24	0
41	880419	4	D	881138	PINK	31.0	0.18	0
41	880419	4	D	881139	PINK	31.0	0.20	0
41	880419	4	D	881140	PINK	34.0	0.24	0
41	880419	4	D	881141	PINK	34.0	0.22	0
41	880419	4	D	881142	PINK	33.0	0.20	0
41	880419	4	D	881143	PINK	33.0	0.18	0
41	880419	4	D	881144	PINK	33.0	0.18	0
41	880419	4	D	881145	PINK	32.0	0.20	0
41	880419	4	D	881146	PINK	32.0	0.18	0
41	880419	4	D	881147	PINK	34.0	0.18	0
41	880419	4	D	881148	PINK	31.0	0.16	0
41	880419	4	D	881149	PINK	33.0	0.20	0
41	880419	4	D	881150	PINK	32.0	0.18	0
41	880419	4	D	881151	PINK	31.0	0.18	0
41	880419	4	D	881152	PINK	34.0	0.22	0
41	880419	4	D	881153	PINK	31.0	0.18	0
41	880419	4	D	881154	PINK	31.0	0.14	0
41	880419	4	D	881155	PINK	33.0	0.18	0
41	880419	4	D	881156	PINK	31.0	0.18	0
41	880419	4	D	881157	PINK	31.0	0.16	0
41	880419	4	D	881158	PINK	32.0	0.18	0
41	880419	4	D	881159	PINK	33.0	0.24	0
41	880419	4	D	881160	PINK	33.0	0.24	0
41	880419	4	D	881161	PINK	33.0	0.20	0
41	880419	4	D	881162	PINK	31.0	0.18	0
41	880419	4	D	881163	PINK	32.0	0.20	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
41	880419	4	D	881164	PINK	33.0	0.20	0
41	880419	4	D	881165	PINK	33.0	0.18	0
41	880419	4	D	881166	PINK	31.0	0.16	0
41	880419	4	D	881167	PINK	33.0	0.18	0
41	880419	4	D	881168	PINK	32.0	0.20	0
41	880419	4	D	881169	PINK	34.0	0.22	0
41	880419	4	D	881171	PINK	32.0	0.20	0
41	880419	4	D	881172	PINK	33.0	0.18	0
41	880419	4	D	881173	PINK	31.0	0.16	0
41	880419	4	D	881176	PINK	31.0	0.16	0
41	880419	4	D	881177	PINK	32.0	0.18	0
41	880419	4	D	881178	PINK	32.0	0.18	0
41	880419	4	D	881179	PINK	34.0	0.18	0
41	880419	4	D	881180	PINK	30.0	0.12	0
41	880419	4	D	881181	PINK	31.0	0.20	0
41	880419	4	D	881182	PINK	32.0	0.14	0
41	880419	4	D	881183	PINK	30.0	0.12	0
41	880419	4	D	881184	PINK	30.0	0.14	0
41	880419	4	D	881185	PINK	30.0	0.14	0
41	880419	4	D	881186	PINK	31.0	0.18	0
41	880419	4	D	881187	PINK	32.0	0.18	0
41	880419	4	D	881188	PINK	33.0	0.16	0
41	880419	4	D	881189	PINK	32.0	0.16	0
41	880419	4	D	881190	PINK	31.0	0.16	0
41	880419	4	D	881191	PINK	34.0	0.20	0
41	880419	4	D	881192	PINK	31.0	0.16	0
41	880419	4	D	881193	PINK	33.0	0.22	0
41	880419	4	D	881194	PINK	31.0	0.16	0
41	880419	4	D	881195	PINK	27.0	0.08	0
41	880419	4	D	881196	PINK	30.0	0.12	0
41	880419	4	D	881197	PINK	30.0	0.12	0
41	880419	4	D	881198	PINK	30.0	0.14	0
41	880419	4	D	881199	PINK	32.0	0.12	0
41	880419	4	D	881200	PINK	32.0	0.16	0
41	880419	4	D	881201	PINK	26.0	0.08	0
41	880419	4	D	881202	PINK	32.0	0.18	0
41	880419	4	D	881203	PINK	33.0	0.14	0
41	880419	4	D	881204	PINK	27.0	0.06	0
41	880419	4	D	881205	PINK	30.0	0.10	0
41	880419	4	D	881206	PINK	31.0	0.14	0
41	880419	4	D	881207	PINK	31.0	0.14	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
41	880419	4	D	881208	PINK	33.0	0.18	0
41	880419	4	D	881084	SOCK	91.0	8.68	0
41	880419	4	D	881085	SOCK	80.0	4.08	0
41	880419	5	E	681209	CHIN	41.0	0.68	0
41	880419	5	E	881210	CHIN	45.0	0.92	0
41	880419	5	E	881211	CHIN	39.0	0.60	0
41	880419	5	E	881213	CHIN	38.0	0.52	0
41	880419	5	E	881216	CHIN	44.0	0.72	0
41	880419	5	E	881217	CHIN	35.0	0.44	0
41	880419	5	E	881212	CHUM	40.0	0.48	0
41	880419	5	E	881214	CHUM	41.0	0.48	0
41	880419	5	E	881222	CHUM	32.0	0.20	0
41	880419	5	E	881215	PINK	32.0	0.22	0
41	880419	5	E	881218	PINK	31.0	0.16	0
41	880419	5	E	881219	PINK	32.0	0.20	0
41	880419	5	E	881220	PINK	32.0	0.18	0
41	880419	5	E	881221	PINK	30.0	0.16	0
41	880419	5	E	881223	PINK	32.0	0.16	0
41	880419	5	E	881224	PINK	31.0	0.16	0
41	880419	5	E	881225	PINK	31.0	0.16	0
42	880420	1	A	881229	CHIN	41.0	0.70	0
42	880420	1	A	881230	CHIN	38.0	0.58	0
42	880420	1	A	881231	CHIN	37.0	0.54	0
42	880420	1	A	881232	CHIN	43.0	0.94	0
42	880420	1	A	881233	CHIN	45.0	0.88	0
42	880420	1	A	881234	CHIN	39.0	0.52	0
42	880420	1	A	881235	CHIN	38.0	0.58	0
42	880420	1	A	881236	CHIN	33.0	0.32	0
42	880420	1	A	881226	CHUM	56.0	1.74	0
42	880420	1	A	881227	CHUM	62.0	1.90	0
42	880420	1	A	881228	CHUM	59.0	1.72	0
42	880420	1	A	881237	CHUM	35.0	0.38	0
42	880420	1	A	881240	CHUM	39.0	0.42	0
42	880420	1	A	881241	CHUM	32.0	0.22	0
42	880420	1	A	881242	CHUM	32.0	0.26	0
42	880420	1	A	881243	CHUM	31.0	0.18	0
42	880420	1	A	881244	CHUM	34.0	0.24	0
42	880420	1	A	881245	CHUM	30.0	0.16	0
42	880420	1	A	881238	PINK	34.0	0.22	0
42	880420	1	A	881239	PINK	30.0	0.18	0
42	880420	2	B	881247	CHIN	39.0	0.56	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
42	880420	2	B	881248	CHIN	41.0	0.70	0
42	880420	2	B	881262	CHIN	39.0	0.60	0
42	880420	2	B	881265	CHIN	41.0	0.66	0
42	880420	2	B	881255	CHUM	57.0	1.44	0
42	880420	2	B	881256	CHUM	55.0	1.24	0
42	880420	2	B	881257	CHUM	32.0	0.20	0
42	880420	2	B	881258	CHUM	50.0	0.92	0
42	880420	2	B	881259	CHUM	54.0	1.26	0
42	880420	2	B	881261	CHUM	48.0	0.90	0
42	880420	2	B	881268	CHUM	35.0	0.32	0
42	880420	2	B	881269	CHUM	39.0	0.48	0
42	880420	2	B	881270	CHUM	38.0	0.44	0
42	880420	2	B	881271	CHUM	37.0	0.36	0
42	880420	2	B	881272	CHUM	37.0	0.36	0
42	880420	2	B	881273	CHUM	35.0	0.34	0
42	880420	2	B	881274	CHUM	38.0	0.44	0
42	880420	2	B	881276	CHUM	32.0	0.20	0
42	880420	2	B	881280	CHUM	29.0	0.18	0
42	880420	2	B	881246	COHO	39.0	0.62	0
42	880420	2	B	881249	COHO	38.0	0.54	0
42	880420	2	B	881250	COHO	40.0	0.58	0
42	880420	2	B	881251	COHO	42.0	0.74	0
42	880420	2	B	881260	COHO	38.0	0.54	0
42	880420	2	B	881263	COHO	41.0	0.62	0
42	880420	2	B	881264	COHO	40.0	0.60	0
42	880420	2	B	881266	COHO	40.0	0.54	0
42	880420	2	B	881267	COHO	35.0	0.44	0
42	880420	2	B	881275	PINK	32.0	0.18	0
42	880420	2	B	881277	PINK	31.0	0.16	0
42	880420	2	B	881278	PINK	31.0	0.20	0
42	880420	2	B	881279	PINK	31.0	0.16	0
42	880420	2	B	881281	PINK	32.0	0.18	0
42	880420	2	B	881282	PINK	32.0	0.20	0
42	880420	2	B	881283	PINK	31.0	0.18	0
42	880420	2	B	881284	PINK	32.0	0.16	0
42	880420	2	B	881285	PINK	31.0	0.18	0
42	880420	2	B	881286	PINK	33.0	0.20	0
42	880420	2	B	881287	PINK	33.0	0.20	0
42	880420	2	B	881288	PINK	32.0	0.18	0
42	880420	2	B	881289	PINK	33.0	0.20	0
42	880420	2	B	881290	PINK	30.0	0.18	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
42	880420	2	B	881291	PINK	32.0	0.20	0
42	880420	2	B	881292	PINK	33.0	0.20	0
42	880420	2	B	881293	PINK	29.0	0.10	0
42	880420	2	B	881294	PINK	30.0	0.16	0
42	880420	2	B	881295	PINK	30.0	0.16	0
42	880420	2	B	881296	PINK	30.0	0.18	0
42	880420	2	B	881297	PINK	30.0	0.14	0
42	880420	2	B	881252	SOCK	79.0	4.16	0
42	880420	2	B	881253	SOCK	65.0	2.26	0
42	880420	2	B	881254	SOCK	72.0	3.04	0
42	880420	3	C	881310	CHIN	43.0	0.80	0
42	880420	3	C	881311	CHIN	36.0	0.48	0
42	880420	3	C	881312	CHIN	35.0	0.42	0
42	880420	3	C	881314	CHIN	40.0	0.60	0
42	880420	3	C	881318	CHIN	36.0	0.32	0
42	880420	3	C	881300	CHUM	56.0	1.46	0
42	880420	3	C	881301	CHUM	66.0	2.12	0
42	880420	3	C	881302	CHUM	56.0	1.46	0
42	880420	3	C	881303	CHUM	61.0	1.90	0
42	880420	3	C	881304	CHUM	55.0	1.30	0
42	880420	3	C	881305	CHUM	50.0	0.90	0
42	880420	3	C	881306	CHUM	55.0	1.48	0
42	880420	3	C	881307	CHUM	55.0	1.32	0
42	880420	3	C	881308	CHUM	53.0	1.16	0
42	880420	3	C	881309	CHUM	58.0	1.52	0
42	880420	3	C	881313	CHUM	40.0	0.44	0
42	880420	3	C	881316	CHUM	37.0	0.36	0
42	880420	3	C	881317	CHUM	37.0	0.40	0
42	880420	3	C	881320	CHUM	40.0	0.42	0
42	880420	3	C	881321	CHUM	38.0	0.36	0
42	880420	3	C	881331	CHUM	26.0	0.14	0
42	880420	3	C	881315	PINK	32.0	0.16	0
42	880420	3	C	881319	PINK	33.0	0.22	0
42	880420	3	C	881322	PINK	33.0	0.20	0
42	880420	3	C	881323	PINK	31.0	0.18	0
42	880420	3	C	881324	PINK	33.0	0.20	0
42	880420	3	C	881325	PINK	33.0	0.20	0
42	880420	3	C	881326	PINK	33.0	0.20	0
42	880420	3	C	881327	PINK	32.0	0.20	0
42	880420	3	C	881328	PINK	34.0	0.24	0
42	880420	3	C	881329	PINK	33.0	0.24	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
42	880420	3	C	881330	PINK	33.0	0.20	0
42	880420	3	C	881298	SOCK	93.0	7.90	0
42	880420	3	C	881299	SOCK	64.0	2.36	0
42	880420	4	D	881332	CHIN	98.0	10.02	0
42	880420	4	D	881339	CHIN	40.0	0.56	0
42	880420	4	D	881341	CHIN	47.0	1.08	0
42	880420	4	D	881342	CHIN	41.0	0.60	0
42	880420	4	D	881343	CHIN	39.0	0.56	0
42	880420	4	D	881344	CHIN	40.0	0.56	0
42	880420	4	D	881345	CHIN	45.0	0.84	0
42	880420	4	D	881346	CHIN	40.0	0.66	0
42	880420	4	D	881347	CHIN	35.0	0.50	0
42	880420	4	D	881348	CHIN	37.0	0.52	0
42	880420	4	D	881355	CHIN	40.0	0.58	0
42	880420	4	D	881356	CHIN	42.0	0.66	0
42	880420	4	D	881357	CHIN	40.0	0.52	0
42	880420	4	D	881359	CHIN	40.0	0.54	0
42	880420	4	D	881362	CHIN	39.0	0.48	0
42	880420	4	D	881349	CHUM	59.0	1.76	0
42	880420	4	D	881350	CHUM	60.0	1.60	0
42	880420	4	D	881351	CHUM	53.0	1.14	0
42	880420	4	D	881352	CHUM	55.0	1.16	0
42	880420	4	D	881353	CHUM	51.0	1.02	0
42	880420	4	D	881354	CHUM	44.0	0.66	0
42	880420	4	D	881358	CHUM	45.0	0.68	0
42	880420	4	D	881360	CHUM	44.0	0.60	0
42	880420	4	D	881361	CHUM	39.0	0.38	0
42	880420	4	D	881340	COHO	43.0	0.78	0
42	880420	4	D	881363	PINK	33.0	0.22	0
42	880420	4	D	881364	PINK	34.0	0.24	0
42	880420	4	D	881365	PINK	35.0	0.24	0
42	880420	4	D	881366	PINK	33.0	0.20	0
42	880420	4	D	881333	SOCK	92.0	8.34	0
42	880420	4	D	881334	SOCK	95.0	9.10	0
42	880420	4	D	881335	SOCK	103.0	11.10	0
42	880420	4	D	881336	SOCK	96.0	7.42	0
42	880420	4	D	881337	SOCK	96.0	8.44	0
42	880420	4	D	881338	SOCK	73.0	3.52	0
42	880420	5	E	881377	CHIN	48.0	1.14	0
42	880420	5	E	881378	CHIN	48.0	1.10	0
42	880420	5	E	881379	CHIN	52.0	1.52	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
42	880420	5	E	881380	CHIN	48.0	1.12	0
42	880420	5	E	881381	CHIN	44.0	0.78	0
42	880420	5	E	881382	CHIN	45.0	0.92	0
42	880420	5	E	881383	CHIN	59.0	2.00	0
42	880420	5	E	881384	CHIN	40.0	0.54	0
42	880420	5	E	881385	CHIN	37.0	0.48	0
42	880420	5	E	881386	CHIN	49.0	1.24	0
42	880420	5	E	881387	CHIN	46.0	1.00	0
42	880420	5	E	881388	CHIN	37.0	0.48	0
42	880420	5	E	881389	CHIN	37.0	0.54	0
42	880420	5	E	881390	CHIN	37.0	0.50	0
42	880420	5	E	881391	CHIN	41.0	0.62	0
42	880420	5	E	881392	CHIN	38.0	0.48	0
42	880420	5	E	881393	CHIN	38.0	0.50	0
42	880420	5	E	881394	CHIN	40.0	0.60	0
42	880420	5	E	881395	CHIN	38.0	0.46	0
42	880420	5	E	881396	CHIN	42.0	0.74	0
42	880420	5	E	881397	CHIN	36.0	0.40	0
42	880420	5	E	881398	CHIN	38.0	0.48	0
42	880420	5	E	881369	CHUM	55.0	1.16	0
42	880420	5	E	881370	CHUM	55.0	1.22	0
42	880420	5	E	881371	CHUM	48.0	1.02	0
42	880420	5	E	881372	CHUM	35.0	0.26	0
42	880420	5	E	881373	CHUM	37.0	0.36	0
42	880420	5	E	881374	CHUM	37.0	0.36	0
42	880420	5	E	881375	CHUM	37.0	0.38	0
42	880420	5	E	881376	CHUM	33.0	0.26	0
42	880420	5	E	881399	CHUM	38.0	0.38	0
42	880420	5	E	881400	CHUM	37.0	0.38	0
42	880420	5	E	881401	PINK	33.0	0.20	0
42	880420	5	E	881402	PINK	33.0	0.22	0
42	880420	5	E	881403	PINK	34.0	0.20	0
42	880420	5	E	881404	PINK	30.0	0.20	0
42	880420	5	E	881405	PINK	30.0	0.18	0
42	880420	5	E	881406	PINK	35.0	0.26	0
42	880420	5	E	881407	PINK	33.0	0.20	0
42	880420	5	E	881408	PINK	31.0	0.18	0
42	880420	5	E	881409	PINK	33.0	0.22	0
42	880420	5	E	881410	PINK	33.0	0.22	0
42	880420	5	E	881367	SOCK	91.0	5.88	0
42	880420	5	E	881368	SOCK	77.0	3.40	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
43	880421	1	A	881586	CHIN	50.0	1.48	0
43	880421	1	A	881587	CHIN	42.0	0.72	0
43	880421	1	A	881588	CHIN	40.0	0.46	0
43	880421	1	A	881589	CHIN	38.0	0.52	0
43	880421	1	A	881590	CHIN	41.0	0.60	0
43	880421	1	A	881591	CHIN	36.0	0.44	0
43	880421	1	A	881592	CHUM	40.0	0.32	0
43	880421	1	A	881593	CHUM	38.0	0.38	0
43	880421	1	A	881594	CHUM	39.0	0.36	0
43	880421	1	A	881595	CHUM	37.0	0.36	0
43	880421	1	A	881596	CHUM	42.0	0.50	0
43	880421	1	A	881597	CHUM	36.0	0.30	0
43	880421	1	A	881598	CHUM	35.0	0.30	0
43	880421	1	A	881608	CHUM	38.0	0.32	0
43	880421	1	A	881609	CHUM	38.0	0.32	0
43	880421	1	A	881616	CHUM	37.0	0.32	0
43	880421	1	A	881617	CHUM	38.0	0.26	0
43	880421	1	A	881628	CHUM	30.0	0.10	0
43	880421	1	A	881629	CHUM	36.0	0.18	0
43	880421	1	A	881633	CHUM	32.0	0.14	0
43	880421	1	A	881635	CHUM	33.0	0.18	0
43	880421	1	A	881599	PINK	35.0	0.22	0
43	880421	1	A	881600	PINK	33.0	0.22	0
43	880421	1	A	881601	PINK	33.0	0.18	0
43	880421	1	A	881602	PINK	32.0	0.18	0
43	880421	1	A	881603	PINK	31.0	0.16	0
43	880421	1	A	881604	PINK	32.0	0.18	0
43	880421	1	A	881605	PINK	31.0	0.16	0
43	880421	1	A	881606	PINK	33.0	0.18	0
43	880421	1	A	881607	PINK	32.0	0.14	0
43	880421	1	A	881610	PINK	33.0	0.20	0
43	880421	1	A	881611	PINK	33.0	0.16	0
43	880421	1	A	881612	PINK	31.0	0.18	0
43	880421	1	A	881613	PINK	34.0	0.18	0
43	880421	1	A	881614	PINK	32.0	0.14	0
43	880421	1	A	881615	PINK	33.0	0.18	0
43	880421	1	A	881618	PINK	35.0	0.20	0
43	880421	1	A	881619	PINK	34.0	0.24	0
43	880421	1	A	881620	PINK	33.0	0.20	0
43	880421	1	A	881621	PINK	33.0	0.18	0
43	880421	1	A	881622	PINK	33.0	0.18	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
43	880421	1	A	881623	PINK	33.0	0.14	0
43	880421	1	A	881624	PINK	34.0	0.16	0
43	880421	1	A	881625	PINK	33.0	0.16	0
43	880421	1	A	881626	PINK	34.0	0.18	0
43	880421	1	A	881627	PINK	32.0	0.18	0
43	880421	1	A	881630	PINK	32.0	0.18	0
43	880421	1	A	881631	PINK	32.0	0.18	0
43	880421	1	A	881632	PINK	34.0	0.18	0
43	880421	1	A	881634	PINK	34.0	0.18	0
43	880421	1	A	881636	PINK	30.0	0.16	0
43	880421	1	A	881637	PINK	32.0	0.18	0
43	880421	1	A	881638	PINK	31.0	0.10	0
43	880421	1	A	881639	PINK	27.0	0.10	0
43	880421	1	A	881640	PINK	31.0	0.12	0
43	880421	1	A	881585	SOCK	82.0	5.50	0
44	880426	1	C	881411	CHIN	98.0	10.12	0
44	880426	1	C	881417	CHIN	45.0	1.02	0
44	880426	1	C	881422	CHIN	34.0	0.46	0
44	880426	1	C	881418	CHUM	39.0	0.46	0
44	880426	1	C	881419	CHUM	38.0	0.42	0
44	880426	1	C	881420	CHUM	39.0	0.42	0
44	880426	1	C	881421	CHUM	37.0	0.40	0
44	880426	1	C	881423	CHUM	38.0	0.38	0
44	880426	1	C	881458	CHUM	31.0	0.18	0
44	880426	1	C	881459	CHUM	34.0	0.18	0
44	880426	1	C	881460	CHUM	34.0	0.30	0
44	880426	1	C	881424	PINK	31.0	0.18	0
44	880426	1	C	881425	PINK	33.0	0.26	0
44	880426	1	C	881426	PINK	33.0	0.24	0
44	880426	1	C	881427	PINK	33.0	0.22	0
44	880426	1	C	881428	PINK	33.0	0.20	0
44	880426	1	C	881429	PINK	34.0	0.24	0
44	880426	1	C	881430	PINK	34.0	0.22	0
44	880426	1	C	881431	PINK	33.0	0.20	0
44	880426	1	C	881432	PINK	34.0	0.22	0
44	880426	1	C	881433	PINK	34.0	0.20	0
44	880426	1	C	881434	PINK	33.0	0.18	0
44	880426	1	C	881435	PINK	32.0	0.18	0
44	880426	1	C	881436	PINK	32.0	0.22	0
44	880426	1	C	881437	PINK	34.0	0.22	0
44	880426	1	C	881438	PINK	33.0	0.22	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
44	880426	1	C	881439	PINK	32.0	0.20	0
44	880426	1	C	881440	PINK	32.0	0.16	0
44	880426	1	C	881441	PINK	30.0	0.20	0
44	880426	1	C	881442	PINK	31.0	0.18	0
44	880426	1	C	881443	PINK	31.0	0.22	0
44	880426	1	C	881444	PINK	31.0	0.18	0
44	880426	1	C	881445	PINK	30.0	0.12	0
44	880426	1	C	881446	PINK	32.0	0.18	0
44	880426	1	C	881447	PINK	34.0	0.18	0
44	880426	1	C	881448	PINK	33.0	0.18	0
44	880426	1	C	881449	PINK	32.0	0.16	0
44	880426	1	C	881450	PINK	33.0	0.20	0
44	880426	1	C	881451	PINK	31.0	0.18	0
44	880426	1	C	881452	PINK	33.0	0.24	0
44	880426	1	C	881453	PINK	32.0	0.18	0
44	880426	1	C	881454	PINK	33.0	0.18	0
44	880426	1	C	881455	PINK	34.0	0.18	0
44	880426	1	C	881456	PINK	34.0	0.20	0
44	880426	1	C	881457	PINK	29.0	0.14	0
44	880426	1	C	881461	PINK	28.0	0.10	0
44	880426	1	C	881412	SOCK	89.0	5.42	0
44	880426	1	C	881413	SOCK	82.0	4.86	0
44	880426	1	C	881414	SOCK	80.0	4.60	0
44	880426	1	C	881415	SOCK	87.0	5.02	0
44	880426	1	C	881416	SOCK	79.0	4.02	0
44	880426	2	A	881463	CHUM	34.0	0.40	0
44	880426	2	A	881464	CHUM	34.0	0.44	0
44	880426	2	A	881465	CHUM	34.0	0.50	0
44	880426	2	A	881468	CHUM	40.0	0.58	0
44	880426	2	A	881469	CHUM	38.0	0.38	0
44	880426	2	A	881472	CHUM	36.0	0.32	0
44	880426	2	A	881473	CHUM	37.0	0.40	0
44	880426	2	A	881462	PINK	33.0	0.18	0
44	880426	2	A	881466	PINK	33.0	0.22	0
44	880426	2	A	881467	PINK	31.0	0.22	0
44	880426	2	A	881474	PINK	36.0	0.22	0
44	880426	2	A	881475	PINK	31.0	0.20	0
44	880426	2	A	881476	PINK	32.0	0.20	0
44	880426	2	A	881477	PINK	32.0	0.22	0
44	880426	2	A	881478	PINK	28.0	0.14	0
44	880426	2	A	881479	PINK	32.0	0.20	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
44	880426	2	A	881470	SOCK	89.0	6.46	0
44	880426	2	A	881471	SOCK	85.0	4.72	0
44	880426	3	B	881480	CHIN	110.0	16.28	0
44	880426	3	B	881481	CHIN	91.0	8.96	0
44	880426	3	B	881488	CHIN	53.0	1.56	0
44	880426	3	B	881491	CHIN	38.0	0.48	0
44	880426	3	B	881498	CHIN	39.0	0.46	0
44	880426	3	B	881489	CHUM	39.0	0.50	0
44	880426	3	B	881490	CHUM	38.0	0.40	0
44	880426	3	B	881492	CHUM	41.0	0.58	0
44	880426	3	B	881493	CHUM	35.0	0.34	0
44	880426	3	B	881507	CHUM	29.0	0.16	0
44	880426	3	B	881494	PINK	33.0	0.22	0
44	880426	3	B	881495	PINK	31.0	0.20	0
44	880426	3	B	881496	PINK	30.0	0.22	0
44	880426	3	B	881497	PINK	33.0	0.24	0
44	880426	3	B	881499	PINK	32.0	0.22	0
44	880426	3	B	881500	PINK	32.0	0.20	0
44	880426	3	B	881501	PINK	33.0	0.20	0
44	880426	3	B	881502	PINK	31.0	0.22	0
44	880426	3	B	881503	PINK	30.0	0.22	0
44	880426	3	B	881504	PINK	30.0	0.20	0
44	880426	3	B	881505	PINK	31.0	0.18	0
44	880426	3	B	881506	PINK	31.0	0.16	0
44	880426	3	B	881482	SOCK	82.0	4.14	0
44	880426	3	B	881483	SOCK	80.0	4.28	0
44	880426	3	B	881484	SOCK	83.0	4.92	0
44	880426	3	B	881485	SOCK	80.0	4.50	0
44	880426	3	B	881486	SOCK	87.0	5.58	0
44	880426	3	B	881487	SOCK	75.0	3.78	0
44	880426	4	D	881508	CHIN	105.0	13.14	0
44	880426	4	D	881521	CHIN	54.0	1.60	0
44	880426	4	D	881525	CHIN	38.0	0.46	0
44	880426	4	D	881526	CHIN	35.0	0.40	0
44	880426	4	D	881527	CHIN	35.0	0.44	0
44	880426	4	D	881522	CHUM	41.0	0.52	0
44	880426	4	D	881523	CHUM	37.0	0.38	0
44	880426	4	D	881524	CHUM	39.0	0.48	0
44	880426	4	D	881528	CHUM	38.0	0.36	0
44	880426	4	D	881529	CHUM	39.0	0.40	0
44	880426	4	D	881530	CHUM	30.0	0.24	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
44	880426	4	D	881532	CHUM	38.0	0.36	0
44	880426	4	D	881533	CHUM	39.0	0.40	0
44	880426	4	D	881534	CHUM	36.0	0.34	0
44	880426	4	D	881535	CHUM	36.0	0.36	0
44	880426	4	D	881537	CHUM	36.0	0.32	0
44	880426	4	D	881551	CHUM	30.0	0.20	0
44	880426	4	D	881557	CHUM	24.0	0.10	0
44	880426	4	D	881531	PINK	35.0	0.22	0
44	880426	4	D	881536	PINK	33.0	0.24	0
44	880426	4	D	881538	PINK	33.0	0.22	0
44	880426	4	D	881539	PINK	32.0	0.20	0
44	880426	4	D	881540	PINK	30.0	0.18	0
44	880426	4	D	881541	PINK	32.0	0.18	0
44	880426	4	D	881542	PINK	32.0	0.18	0
44	880426	4	D	881543	PINK	30.0	0.14	0
44	880426	4	D	881544	PINK	31.0	0.18	0
44	880426	4	D	881545	PINK	31.0	0.20	0
44	880426	4	D	881546	PINK	31.0	0.18	0
44	880426	4	D	881547	PINK	31.0	0.18	0
44	880426	4	D	881548	PINK	30.0	0.20	0
44	880426	4	D	881549	PINK	30.0	0.16	0
44	880426	4	D	881550	PINK	31.0	0.27	0
44	880426	4	D	881552	PINK	30.0	0.16	0
44	880426	4	D	881553	PINK	30.0	0.16	0
44	880426	4	D	881554	PINK	32.0	0.18	0
44	880426	4	D	881555	PINK	31.0	0.20	0
44	880426	4	D	881556	PINK	30.0	0.18	0
44	880426	4	D	881509	SOCK	90.0	6.04	0
44	880426	4	D	881510	SOCK	85.0	5.34	0
44	880426	4	D	881511	SOCK	83.0	5.04	0
44	880426	4	D	881512	SOCK	88.0	5.40	0
44	880426	4	D	881513	SOCK	91.0	6.04	0
44	880426	4	D	881514	SOCK	84.0	4.50	0
44	880426	4	D	881515	SOCK	84.0	3.72	0
44	880426	4	D	881516	SOCK	85.0	4.48	0
44	880426	4	D	881517	SOCK	86.0	4.76	0
44	880426	4	D	881518	SOCK	85.0	4.26	0
44	880426	4	D	881519	SOCK	81.0	4.48	0
44	880426	4	D	881520	SOCK	86.0	4.46	0
44	880426	5	E	881560	CHIN	83.0	7.26	0
44	880426	5	E	881571	CHUM	38.0	0.50	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
44	880426	5	E	881572	CHUM	42.0	0.50	0
44	880426	5	E	881573	CHUM	39.0	0.34	0
44	880426	5	E	881574	CHUM	35.0	0.34	0
44	880426	5	E	881575	CHUM	36.0	0.36	0
44	880426	5	E	881576	PINK	32.0	0.20	0
44	880426	5	E	881577	PINK	34.0	0.20	0
44	880426	5	E	881578	PINK	31.0	0.20	0
44	880426	5	E	881579	PINK	28.0	0.14	0
44	880426	5	E	881580	PINK	30.0	0.16	0
44	880426	5	E	881581	PINK	31.0	0.18	0
44	880426	5	E	881582	PINK	32.0	0.16	0
44	880426	5	E	881583	PINK	33.0	0.16	0
44	880426	5	E	881584	PINK	32.0	0.14	0
44	880426	5	E	881558	SOCK	80.0	4.54	0
44	880426	5	E	881559	SOCK	82.0	4.26	0
44	880426	5	E	881561	SOCK	61.0	4.20	0
44	880426	5	E	881562	SOCK	85.0	4.84	0
44	880426	5	E	881563	SOCK	80.0	3.80	0
44	880426	5	E	881564	SOCK	71.0	3.88	0
44	880426	5	E	881565	SOCK	78.0	3.76	0
44	880426	5	E	881566	SOCK	77.0	4.10	0
44	880426	5	E	881567	SOCK	75.0	3.38	0
44	880426	5	E	881568	SOCK	83.0	4.12	0
44	880426	5	E	881569	SOCK	79.0	3.96	0
44	880426	5	E	881570	SOCK	80.0	4.06	0
46	880428	1	A	881650	CHUM	38.0	0.32	0
46	880428	1	A	881651	CHUM	45.0	0.62	0
46	880428	1	A	881652	CHUM	41.0	0.44	0
46	880428	1	A	881653	CHUM	35.0	0.34	0
46	880428	1	A	881654	CHUM	33.0	0.30	0
46	880428	1	A	881655	CHUM	32.0	0.34	0
46	880428	1	A	881656	CHUM	36.0	0.28	0
46	880428	1	A	881641	PINK	32.0	0.26	0
46	880428	1	A	881642	PINK	31.0	0.20	0
46	880428	1	A	881643	PINK	32.0	0.20	0
46	880428	1	A	881644	PINK	29.0	0.18	0
46	880428	1	A	881645	PINK	33.0	0.24	0
46	880428	1	A	881646	PINK	31.0	0.20	0
46	880428	1	A	881647	PINK	32.0	0.20	0
46	880428	1	A	881648	PINK	32.0	0.20	0
46	880428	1	A	881649	PINK	30.0	0.16	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
46	880428	2	B	881657	CHIN	90.0	7.22	0
46	880428	2	B	881675	CHUM	47.0	0.56	0
46	880428	2	B	881676	CHUM	49.0	0.64	0
46	880428	2	B	881677	CHUM	44.0	0.54	0
46	880428	2	B	881678	CHUM	38.0	0.34	0
46	880428	2	B	881679	CHUM	35.0	0.28	0
46	880428	2	B	881680	CHUM	35.0	0.24	0
46	880428	2	B	881681	CHUM	37.0	0.26	0
46	880428	2	B	881682	CHUM	38.0	0.30	0
46	880428	2	B	881683	CHUM	37.0	0.36	0
46	880428	2	B	881684	CHUM	34.0	0.30	0
46	880428	2	B	881685	CHUM	33.0	0.24	0
46	880428	2	B	881686	CHUM	35.0	0.28	0
46	880428	2	B	881658	COHO	37.0	0.38	0
46	880428	2	B	881659	PINK	32.0	0.20	0
46	880428	2	B	881660	PINK	30.0	0.16	0
46	880428	2	B	881661	PINK	33.0	0.20	0
46	880428	2	B	881662	PINK	31.0	0.14	0
46	880428	2	B	881663	PINK	33.0	0.22	0
46	880428	2	B	881664	PINK	33.0	0.20	0
46	880428	2	B	881665	PINK	32.0	0.20	0
46	880428	2	B	881666	PINK	26.0	0.10	0
46	880428	2	B	881667	PINK	32.0	0.18	0
46	880428	2	B	881668	PINK	34.0	0.18	0
46	880428	2	B	881669	PINK	30.0	0.12	0
46	880428	2	B	881670	PINK	28.0	0.14	0
46	880428	2	B	881671	PINK	30.0	0.14	0
46	880428	2	B	881672	PINK	30.0	0.14	0
46	880428	2	B	881673	PINK	33.0	0.16	0
46	880428	2	B	881674	PINK	32.0	0.18	0
46	880428	3	C	881707	CHIN	35.0	0.36	0
46	880428	3	C	881708	CHIN	46.0	0.74	0
46	880428	3	C	881709	CHIN	26.0	0.16	0
46	880428	3	C	881710	CHIN	72.0	4.10	0
46	880428	3	C	881711	CHIN	78.0	5.80	0
46	880428	3	C	881712	CHIN	90.0	8.44	0
46	880428	3	C	881687	CHUM	44.0	0.60	0
46	880428	3	C	881688	CHUM	47.0	0.80	0
46	880428	3	C	881689	CHUM	54.0	1.06	0
46	880428	3	C	881690	CHUM	51.0	0.92	0
46	880428	3	C	881691	CHUM	51.0	0.96	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
46	880428	3	C	881692	CHUM	46.0	0.80	0
46	880428	3	C	881693	CHUM	47.0	0.72	0
46	880428	3	C	881694	CHUM	47.0	0.80	0
46	880428	3	C	881695	CHUM	48.0	0.76	0
46	880428	3	C	881696	CHUM	38.0	0.34	0
46	880428	3	C	881697	PINK	31.0	0.16	0
46	880428	3	C	881698	PINK	29.0	0.14	0
46	880428	3	C	881699	PINK	28.0	0.12	0
46	880428	3	C	881700	PINK	30.0	0.16	0
46	880428	3	C	881701	PINK	30.0	0.18	0
46	880428	3	C	881702	PINK	33.0	0.20	0
46	880428	3	C	881703	PINK	31.0	0.18	0
46	880428	3	C	881704	PINK	26.0	0.10	0
46	880428	3	C	881705	PINK	32.0	0.18	0
46	880428	3	C	881706	PINK	31.0	0.18	0
46	880428	4	D	881735	CHIN	75.0	5.48	0
46	880428	4	D	881736	CHIN	88.0	7.00	0
46	880428	4	D	881725	CHUM	37.0	0.46	0
46	880428	4	D	881726	CHUM	37.0	0.34	0
46	880428	4	D	881727	CHUM	35.0	0.34	0
46	880428	4	D	881728	CHUM	55.0	1.20	0
46	880428	4	D	881729	CHUM	52.0	0.94	0
46	880428	4	D	881730	CHUM	49.0	0.82	0
46	880428	4	D	881731	CHUM	36.0	0.38	0
46	880428	4	D	881732	CHUM	32.0	0.26	0
46	880428	4	D	881733	CHUM	35.0	0.34	0
46	880428	4	D	881734	CHUM	36.0	0.36	0
46	880428	4	D	881713	PINK	32.0	0.22	0
46	880428	4	D	881714	PINK	31.0	0.16	0
46	880428	4	D	881715	PINK	32.0	0.20	0
46	880428	4	D	881716	PINK	33.0	0.22	0
46	880428	4	D	881717	PINK	30.0	0.20	0
46	880428	4	D	881718	PINK	32.0	0.20	0
46	880428	4	D	881719	PINK	27.0	0.12	0
46	880428	4	D	881720	PINK	30.0	0.16	0
46	880428	4	D	881721	PINK	31.0	0.20	0
46	880428	4	D	881722	PINK	30.0	0.16	0
46	880428	4	D	881723	PINK	32.0	0.14	0
46	880428	4	D	881724	PINK	30.0	0.14	0
46	880428	5	E	881751	CHIN	83.0	7.52	0
46	880428	5	E	881752	CHIN	80.0	6.44	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
46	880428	5	E	881753	CHIN	88.0	8.02	0
46	880428	5	E	881754	CHIN	75.0	4.96	0
46	880428	5	E	881744	CHUM	35.0	0.34	0
46	880428	5	E	881745	CHUM	35.0	0.38	0
46	880428	5	E	881746	CHUM	39.0	0.42	0
46	880428	5	E	881747	CHUM	35.0	0.38	0
46	880428	5	E	881748	CHUM	33.0	0.28	0
46	880428	5	E	881749	CHUM	40.0	0.46	0
46	880428	5	E	881750	CHUM	36.0	0.40	0
46	880428	5	E	881737	PINK	31.0	0.20	0
46	880428	5	E	881738	PINK	37.0	0.30	0
46	880428	5	E	881739	PINK	33.0	0.26	0
46	880428	5	E	881740	PINK	33.0	0.24	0
46	880428	5	E	881741	PINK	30.0	0.16	0
46	880428	5	E	881742	PINK	31.0	0.24	0
46	880428	5	E	881743	PINK	31.0	0.22	0
47	880505	1	C	881940	CHIN	90.0	8.14	0
47	880505	1	C	881941	CHIN	38.0	0.52	0
47	880505	1	C	881942	CHIN	39.0	0.56	0
47	880505	1	C	881943	CHUM	36.0	0.38	0
47	880505	1	C	881944	PINK	35.0	0.24	0
47	880505	1	C	881945	PINK	32.0	0.22	0
47	880505	1	C	881946	PINK	32.0	0.18	0
47	880505	1	C	881930	SOCK	111.0	11.64	0
47	880505	1	C	881931	SOCK	90.0	6.64	0
47	880505	1	C	881932	SOCK	85.0	5.40	0
47	880505	1	C	881933	SOCK	74.0	3.40	0
47	880505	1	C	881934	SOCK	85.0	4.94	0
47	880505	1	C	881935	SOCK	76.0	3.54	0
47	880505	1	C	881936	SOCK	85.0	5.12	0
47	880505	1	C	881937	SOCK	90.0	6.70	0
47	880505	1	C	881938	SOCK	82.0	4.38	0
47	880505	1	C	881939	SOCK	80.0	4.26	0
47	880505	2	B	881907	CHIN	96.0	10.32	0
47	880505	2	B	881908	CHIN	75.0	4.64	0
47	880505	2	B	881909	CHIN	85.0	6.22	0
47	880505	2	B	881910	CHIN	80.0	5.78	0
47	880505	2	B	881911	CHIN	90.0	8.24	0
47	880505	2	B	881912	CHIN	42.0	0.72	0
47	880505	2	B	881913	CHIN	39.0	0.52	0
47	880505	2	B	881914	CHIN	37.0	0.40	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
47	880505	2	B	881918	CHUM	36.0	0.36	0
47	880505	2	B	881919	CHUM	38.0	0.34	0
47	880505	2	B	881920	CHUM	43.0	0.62	0
47	880505	2	B	881921	CHUM	38.0	0.38	0
47	880505	2	B	881922	CHUM	34.0	0.24	0
47	880505	2	B	881915	PINK	35.0	0.26	0
47	880505	2	B	881916	PINK	32.0	0.22	0
47	880505	2	B	881917	PINK	33.0	0.20	0
47	880505	2	B	881923	SOCK	94.0	7.94	0
47	880505	2	B	881924	SOCK	84.0	4.44	0
47	880505	2	B	881925	SOCK	89.0	5.48	0
47	880505	2	B	881926	SOCK	94.0	7.38	0
47	880505	2	B	881927	SOCK	99.0	8.20	0
47	880505	2	B	881928	SOCK	77.0	3.72	0
47	880505	2	B	881929	SOCK	87.0	5.20	0
47	880505	3	A	881897	CHIN	72.0	4.78	0
47	880505	3	A	881898	CHIN	93.0	8.46	0
47	880505	3	A	881899	CHIN	80.0	5.60	0
47	880505	3	A	881900	CHIN	67.0	3.58	0
47	880505	3	A	881901	CHIN	66.0	3.14	0
47	880505	3	A	881902	CHIN	75.0	4.58	0
47	880505	3	A	881903	CHUM	36.0	0.34	0
47	880505	3	A	881904	CHUM	35.0	0.28	0
47	880505	3	A	881905	CHUM	35.0	0.30	0
47	880505	3	A	881906	CHUM	35.0	0.34	0
47	880505	3	A	881896	SOCK	104.0	9.98	0
47	880505	4	E	881870	CHUM	26.0	0.10	0
47	880505	4	E	881871	CHUM	39.0	0.44	0
47	880505	4	E	881872	CHUM	36.0	0.34	0
47	880505	4	E	881873	CHUM	38.0	0.44	0
47	880505	4	E	881874	CHUM	40.0	0.44	0
47	880505	4	E	881875	CHUM	35.0	0.30	0
47	880505	4	E	881876	CHUM	41.0	0.48	0
47	880505	4	E	881877	CHUM	36.0	0.34	0
47	880505	4	E	881878	CHUM	36.0	0.32	0
47	880505	4	E	881879	CHUM	38.0	0.38	0
47	880505	4	E	881880	CHUM	37.0	0.44	0
47	880505	4	E	881881	CHUM	40.0	0.46	0
47	880505	4	E	881882	CHUM	39.0	0.42	0
47	880505	4	E	881883	CHUM	37.0	0.34	0
47	880505	4	E	881884	CHUM	34.0	0.34	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
47	880505	4	E	881885	CHUM	37.0	0.38	0
47	880505	4	E	881886	CHUM	35.0	[illegible]	0
47	880505	4	E	881887	CHUM	34.0	0.40	0
47	880505	4	E	881888	CHUM	47.0	0.80	0
47	880505	4	E	881889	CHUM	38.0	0.38	0
47	880505	4	E	881890	CHUM	36.0	0.34	0
47	880505	4	E	881891	CHUM	34.0	0.30	0
47	880505	4	E	881892	CHUM	36.0	0.32	0
47	880505	4	E	881893	CHUM	38.0	0.42	0
47	880505	4	E	881894	CHUM	35.0	0.32	0
47	880505	4	E	881862	PINK	34.0	0.24	0
47	880505	4	E	881863	PINK	34.0	0.28	0
47	880505	4	E	881864	PINK	29.0	0.18	0
47	880505	4	E	881865	PINK	33.0	0.24	0
47	880505	4	E	881866	PINK	38.0	0.34	0
47	880505	4	E	881867	PINK	35.0	0.26	0
47	880505	4	E	881868	PINK	36.0	0.32	0
47	880505	4	E	881869	PINK	34.0	0.24	0
47	880505	4	E	881895	PINK	31.0	0.18	0
47	880505	4	E	881826	SOCK	87.0	5.30	0
47	880505	4	E	881827	SOCK	96.0	7.28	0
47	880505	4	E	881828	SOCK	75.0	4.06	0
47	880505	4	E	881829	SOCK	78.0	4.58	0
47	880505	4	E	881830	SOCK	86.0	5.74	0
47	880505	4	E	881831	SOCK	75.0	4.00	0
47	880505	4	E	881832	SOCK	100.0	8.88	0
47	880505	4	E	881833	SOCK	85.0	5.52	0
47	880505	4	E	881834	SOCK	105.0	10.74	0
47	880505	4	E	881835	SOCK	86.0	4.84	0
47	880505	4	E	881836	SOCK	82.0	4.30	0
47	880505	4	E	881837	SOCK	90.0	5.78	0
47	880505	4	E	881838	SOCK	92.0	6.86	0
47	880505	4	E	881839	SOCK	88.0	5.58	0
47	880505	4	E	881840	SOCK	86.0	5.10	0
47	880505	4	E	881841	SOCK	83.0	4.36	0
47	880505	4	E	881842	SOCK	82.0	5.24	0
47	880505	4	E	881843	SOCK	85.0	5.14	0
47	880505	4	E	881844	SOCK	79.0	4.48	0
47	880505	4	E	881845	SOCK	87.0	5.46	0
47	880505	4	E	881846	SOCK	85.0	5.48	0
47	880505	4	E	881847	SOCK	97.0	8.72	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
47	880505	4	E	881848	SOCK	100.0	8.76	0
47	880505	4	E	881849	SOCK	84.0	4.98	0
47	880505	4	E	881850	SOCK	96.0	8.44	0
47	880505	4	E	881851	SOCK	97.0	7.74	0
47	880505	4	E	881852	SOCK	84.0	5.08	0
47	880505	4	E	881853	SOCK	93.0	6.20	0
47	880505	4	E	881854	SOCK	88.0	5.76	0
47	880505	4	E	881855	SOCK	85.0	5.46	0
47	880505	4	E	881856	SOCK	81.0	4.56	0
47	880505	4	E	881857	SOCK	86.0	5.46	0
47	880505	4	E	881858	SOCK	87.0	5.64	0
47	880505	4	E	881859	SOCK	77.0	3.82	0
47	880505	4	E	881860	SOCK	69.0	2.74	0
47	880505	4	E	881861	SOCK	80.0	4.26	0
47	880506	5	D	881818	CHIN	40.0	0.42	0
47	880506	5	D	881819	CHIN	38.0	0.42	0
47	880506	5	D	881820	CHIN	31.0	0.22	0
47	880506	5	D	881821	CHIN	85.0	8.06	0
47	880506	5	D	881822	CHIN	65.0	2.80	0
47	880506	5	D	881823	CHIN	90.0	8.86	0
47	880506	5	D	881824	CHIN	81.0	6.58	0
47	880506	5	D	881825	CHIN	104.0	14.14	0
47	880506	5	D	881784	CHUM	49.0	0.98	0
47	880506	5	D	881785	CHUM	51.0	1.08	0
47	880506	5	D	881786	CHUM	52.0	1.22	0
47	880506	5	D	881787	CHUM	53.0	1.26	0
47	880506	5	D	881788	CHUM	50.0	1.00	0
47	880506	5	D	881789	CHUM	37.0	0.34	0
47	880506	5	D	881790	CHUM	38.0	0.40	0
47	880506	5	D	881791	CHUM	34.0	0.36	0
47	880506	5	D	881792	CHUM	40.0	0.38	0
47	880506	5	D	881793	CHUM	36.0	0.42	0
47	880506	5	D	881794	CHUM	37.0	0.36	0
47	880506	5	D	881795	CHUM	38.0	0.44	0
47	880506	5	D	881796	CHUM	38.0	0.42	0
47	880506	5	D	881797	CHUM	35.0	0.32	0
47	880506	5	D	881798	CHUM	40.0	0.42	0
47	880506	5	D	881799	CHUM	38.0	0.34	0
47	880506	5	D	881800	CHUM	39.0	0.40	0
47	880506	5	D	881801	CHUM	36.0	0.30	0
47	880506	5	D	881802	CHUM	36.0	0.32	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
47	880506	5	D	881803	CHUM	35.0	0.32	0
47	880506	5	D	881804	CHUM	37.0	0.38	0
47	880506	5	D	881805	CHUM	38.0	0.34	0
47	880506	5	D	881806	CHUM	38.0	0.44	0
47	880506	5	D	881807	CHUM	34.0	0.34	0
47	880506	5	D	881808	CHUM	36.0	0.32	0
47	880506	5	D	881809	CHUM	34.0	0.28	0
47	880506	5	D	881810	CHUM	34.0	0.26	0
47	880506	5	D	881811	CHUM	37.0	0.38	0
47	880506	5	D	881812	PINK	32.0	0.20	0
47	880506	5	D	881813	PINK	30.0	0.18	0
47	880506	5	D	881814	PINK	32.0	0.22	0
47	880506	5	D	881815	PINK	31.0	0.18	0
47	880506	5	D	881816	PINK	35.0	0.20	0
47	880506	5	D	881817	SOCK	96.0	7.54	0
48	880510	1	A	881947	CHIN	90.0	8.46	0
48	880510	1	A	881948	CHIN	38.0	0.50	0
48	880510	1	A	881949	CHIN	38.0	0.48	0
48	880510	1	A	881950	CHUM	32.0	0.14	0
48	880510	1	A	881951	CHUM	44.0	0.62	0
48	880510	1	A	881952	CHUM	42.0	0.58	0
48	880510	1	A	881953	CHUM	37.0	0.30	0
48	880510	1	A	881954	CHUM	36.0	0.26	0
48	880510	2	B	881955	CHIN	32.0	0.36	0
48	880510	2	B	881956	CHIN	39.0	0.54	0
48	880510	2	B	881957	CHIN	75.0	4.46	0
48	880510	2	B	881958	CHIN	81.0	6.22	0
48	880510	2	B	881959	CHIN	92.0	8.28	0
48	880510	2	B	881961	CHUM	37.0	0.34	0
48	880510	2	B	881962	CHUM	36.0	0.32	0
48	880510	2	B	881963	CHUM	36.0	0.34	0
48	880510	2	B	881964	CHUM	37.0	0.38	0
48	880510	2	B	881965	CHUM	55.0	1.16	0
48	880510	2	B	881966	CHUM	35.0	0.30	0
48	880510	2	B	881967	CHUM	36.0	0.34	0
48	880510	2	B	881968	CHUM	39.0	0.32	0
48	880510	2	B	881969	CHUM	35.0	0.30	0
48	880510	2	B	881970	CHUM	35.0	0.34	0
48	880510	2	B	881971	CHUM	36.0	0.34	0
48	880510	2	B	881972	CHUM	36.0	0.34	0
48	880510	2	B	881973	CHUM	36.0	0.30	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
48	880510	2	B	881974	PINK	31.0	0.12	0
48	880510	2	B	881975	PINK	33.0	0.20	0
48	880510	2	B	881976	PINK	32.0	0.18	0
48	880510	2	B	881960	SOCK	100.0	8.76	0
48	880510	3	B	881980	CHIN	81.0	6.40	0
48	880510	3	B	881981	CHIN	87.0	6.84	0
48	880510	3	B	881982	CHIN	93.0	9.70	0
48	880510	3	B	881983	CHIN	92.0	10.26	0
48	880510	3	B	881984	CHIN	88.0	8.02	0
48	880510	3	B	881985	CHIN	91.0	8.04	0
48	880510	3	B	881986	CHIN	40.0	0.58	0
48	880510	3	B	881987	CHIN	38.0	0.50	0
48	880510	3	B	881988	CHIN	38.0	0.50	0
48	880510	3	B	881989	CHUM	37.0	0.36	0
48	880510	3	B	881990	CHUM	36.0	0.34	0
48	880510	3	B	881991	CHUM	41.0	0.54	0
48	880510	3	B	881992	CHUM	39.0	0.46	0
48	880510	3	B	881993	CHUM	36.0	0.38	0
48	880510	3	B	881994	CHUM	38.0	0.34	0
48	880510	3	B	881995	CHUM	35.0	0.34	0
48	880510	3	B	881996	CHUM	35.0	0.28	0
48	880510	3	B	881997	CHUM	38.0	0.40	0
48	880510	3	B	881998	CHUM	35.0	0.34	0
48	880510	3	B	881999	CHUM	31.0	0.20	0
48	880510	3	B	882000	PINK	33.0	0.20	0
48	880510	3	B	882001	PINK	30.0	0.18	0
48	880510	3	B	882002	PINK	32.0	0.20	0
48	880510	3	B	882003	PINK	32.0	0.24	0
48	880510	3	B	882004	PINK	31.0	0.16	0
48	880510	3	B	882005	PINK	31.0	0.18	0
48	880510	3	B	881977	SOCK	78.0	4.08	0
48	880510	3	B	881978	SOCK	98.0	9.82	0
48	880510	3	B	881979	SOCK	101.0	10.60	0
48	880510	4	C	882006	CHIN	81.0	5.76	0
48	880510	4	C	882007	CHIN	85.0	6.66	0
48	880510	4	C	882008	CHIN	66.0	3.54	0
48	880510	4	C	882009	CHIN	74.0	4.90	0
48	880510	4	C	882010	CHIN	75.0	4.50	0
48	880510	4	C	882011	CHIN	95.0	9.04	0
48	880510	4	C	882012	CHIN	96.0	11.36	0
48	880510	4	C	882013	CHIN	100.0	11.38	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
48	880510	4	C	882014	CHIN	37.0	0.42	0
48	880510	4	C	882015	CHIN	36.0	0.40	0
48	880510	4	C	882016	CHIN	35.0	0.48	0
48	880510	4	C	882017	CHIN	45.0	0.80	0
48	880510	4	C	882018	CHIN	36.0	0.42	0
48	880510	4	C	882019	CHIN	34.0	0.40	0
48	880510	4	C	882020	CHIN	38.0	0.38	0
48	880510	4	C	882021	CHIN	40.0	0.48	0
48	880510	4	C	882022	CHIN	45.0	0.80	0
48	880510	4	C	882023	CHIN	34.0	0.30	0
48	880510	4	C	882035	CHUM	55.0	1.08	0
48	880510	4	C	882036	CHUM	38.0	0.38	0
48	880510	4	C	882037	CHUM	36.0	0.34	0
48	880510	4	C	882038	CHUM	37.0	0.30	0
48	880510	4	C	882039	CHUM	38.0	0.34	0
48	880510	4	C	882040	CHUM	37.0	0.34	0
48	880510	4	C	882041	CHUM	37.0	0.32	0
48	880510	4	C	882042	CHUM	35.0	0.28	0
48	880510	4	C	882043	CHUM	35.0	0.28	0
48	880510	4	C	882044	CHUM	40.0	0.44	0
48	880510	4	C	882045	CHUM	35.0	0.30	0
48	880510	4	C	882046	CHUM	35.0	0.32	0
48	880510	4	C	882047	CHUM	33.0	0.24	0
48	880510	4	C	882048	CHUM	34.0	0.26	0
48	880510	4	C	882049	CHUM	35.0	0.26	0
48	880510	4	C	882027	PINK	30.0	0.16	0
48	880510	4	C	882028	PINK	33.0	0.18	0
48	880510	4	C	882029	PINK	32.0	0.18	0
48	880510	4	C	882030	PINK	33.0	0.22	0
48	880510	4	C	882031	PINK	31.0	0.14	0
48	880510	4	C	882032	PINK	29.0	0.14	0
48	880510	4	C	882033	PINK	34.0	0.18	0
48	880510	4	C	882034	PINK	31.0	0.14	0
48	880510	4	C	882024	SOCK	78.0	3.74	0
48	880510	4	C	882025	SOCK	81.0	4.22	0
48	880510	4	C	882026	SOCK	115.0	13.36	0
48	880510	5	D	882050	CHIN	112.0	14.78	0
48	880510	5	D	882051	CHIN	105.0	12.92	0
48	880510	5	D	882052	CHIN	114.0	14.74	0
48	880510	5	D	882053	CHIN	99.0	9.56	0
48	880510	5	D	882054	CHIN	96.0	9.46	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
48	880510	5	D	882055	CHIN	85.0	7.14	0
48	880510	5	D	882056	CHIN	40.0	0.56	0
48	880510	5	D	882057	CHIN	34.0	0.40	0
48	880510	5	D	882058	CHIN	39.0	0.54	0
48	880510	5	D	882059	CHIN	40.0	0.56	0
48	880510	5	D	882067	CHUM	52.0	1.20	0
48	880510	5	D	882068	CHUM	39.0	0.40	0
48	880510	5	D	882069	CHUM	37.0	0.36	0
48	880510	5	D	882070	CHUM	36.0	0.32	0
48	880510	5	D	882071	CHUM	34.0	0.26	0
48	880510	5	D	882072	CHUM	34.0	0.32	0
48	880510	5	D	882073	CHUM	37.0	0.40	0
48	880510	5	D	882074	CHUM	39.0	0.38	0
48	880510	5	D	882075	CHUM	34.0	0.32	0
48	880510	5	D	882076	CHUM	37.0	0.40	0
48	880510	5	D	882077	CHUM	39.0	0.42	0
48	880510	5	D	882078	CHUM	40.0	0.42	0
48	880510	5	D	882079	CHUM	37.0	0.34	0
48	880510	5	D	882080	CHUM	37.0	0.34	0
48	880510	5	D	882061	PINK	33.0	0.22	0
48	880510	5	D	882062	PINK	32.0	0.20	0
48	880510	5	D	882063	PINK	32.0	0.20	0
48	880510	5	D	882064	PINK	32.0	0.18	0
48	880510	5	D	882065	PINK	30.0	0.16	0
48	880510	5	D	882066	PINK	31.0	0.16	0
48	880510	5	D	882060	SOCK	104.0	11.16	0
49	880511	1	C	882092	CHIN	38.0	0.52	0
49	880511	1	C	882093	CHIN	37.0	0.44	0
49	880511	1	C	882094	CHUM	38.0	0.40	0
49	880511	1	C	882095	CHUM	36.0	0.32	0
49	880511	1	C	882096	CHUM	39.0	0.38	0
49	880511	1	C	882097	CHUM	38.0	0.30	0
49	880511	1	C	882098	CHUM	39.0	0.38	0
49	880511	1	C	882099	CHUM	33.0	0.18	0
49	880511	1	C	882100	CHUM	37.0	0.30	0
49	880511	1	C	882101	CHUM	35.0	0.28	0
49	880511	1	C	882102	CHUM	36.0	0.30	0
49	880511	1	C	882103	CHUM	37.0	0.32	0
49	880511	1	C	882104	CHUM	38.0	0.34	0
49	880511	1	C	882105	CHUM	34.0	0.32	0
49	880511	1	C	880001	COHO	95.0	8.36	1

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
49	880511	1	C	882106	PINK	32.0	0.16	0
49	880511	1	C	882107	PINK	33.0	0.18	0
49	880511	1	C	882108	PINK	30.0	0.16	0
49	880511	1	C	882109	PINK	31.0	0.14	0
49	880511	1	C	882110	PINK	32.0	0.18	0
49	880511	1	C	882081	SOCK	75.0	3.28	0
49	880511	1	C	882082	SOCK	70.0	2.70	0
49	880511	1	C	882083	SOCK	74.0	3.26	0
49	880511	1	C	882084	SOCK	71.0	2.98	0
49	880511	1	C	882085	SOCK	76.0	3.66	0
49	880511	1	C	882086	SOCK	73.0	3.32	0
49	880511	1	C	882087	SOCK	101.0	9.80	0
49	880511	1	C	882088	SOCK	67.0	2.58	0
49	880511	1	C	882089	SOCK	100.0	9.92	0
49	880511	1	C	882090	SOCK	72.0	3.00	0
49	880511	1	C	882091	SOCK	72.0	3.20	0
49	880511	2	E	880002	CHIN	110.0	13.70	1
49	880511	2	E	882123	CHIN	58.0	1.82	0
49	880511	2	E	882124	CHIN	39.0	0.60	0
49	880511	2	E	882125	CHIN	37.0	0.48	0
49	880511	2	E	882126	CHIN	38.0	0.50	0
49	880511	2	E	882127	CHIN	37.0	0.48	0
49	880511	2	E	882128	CHUM	54.0	1.08	0
49	880511	2	E	882129	CHUM	51.0	0.94	0
49	880511	2	E	882130	CHUM	35.0	0.30	0
49	880511	2	E	882131	CHUM	35.0	0.30	0
49	880511	2	E	882132	CHUM	38.0	0.36	0
49	880511	2	E	882133	CHUM	39.0	0.36	0
49	880511	2	E	882134	CHUM	39.0	0.36	0
49	880511	2	E	882135	CHUM	37.0	0.46	0
49	880511	2	E	882136	CHUM	33.0	0.28	0
49	880511	2	E	882137	CHUM	40.0	0.44	0
49	880511	2	E	882138	CHUM	39.0	0.38	0
49	880511	2	E	882139	CHUM	35.0	0.30	0
49	880511	2	E	882140	CHUM	37.0	0.30	0
49	880511	2	E	882141	PINK	31.0	0.18	0
49	880511	2	E	882142	PINK	34.0	0.20	0
49	880511	2	E	882143	PINK	32.0	0.18	0
49	880511	2	E	882144	PINK	31.0	0.18	0
49	880511	2	E	882145	PINK	28.0	0.14	0
49	880511	2	E	882146	PINK	32.0	0.14	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
49	880511	2	E	882111	SOCK	72.0	3.14	0
49	880511	2	E	882112	SOCK	74.0	3.20	0
49	880511	2	E	882113	SOCK	77.0	3.66	0
49	880511	2	E	882114	SOCK	72.0	3.20	0
49	880511	2	E	882115	SOCK	73.0	3.18	0
49	880511	2	E	882116	SOCK	75.0	3.40	0
49	880511	2	E	882117	SOCK	77.0	3.64	0
49	880511	2	E	882118	SOCK	96.0	8.48	0
49	880511	2	E	882119	SOCK	76.0	3.74	0
49	880511	2	E	882120	SOCK	68.0	2.82	0
49	880511	2	E	882121	SOCK	75.0	3.36	0
49	880511	2	E	882122	SOCK	74.0	3.36	0
49	880511	3	D	882155	CHUM	47.0	0.72	0
49	880511	3	D	882156	CHUM	35.0	0.28	0
49	880511	3	D	882157	CHUM	36.0	0.34	0
49	880511	3	D	882158	CHUM	38.0	0.32	0
49	880511	3	D	882159	CHUM	39.0	0.34	0
49	880511	3	D	882160	CHUM	32.0	0.18	0
49	880511	3	D	882161	CHUM	36.0	0.30	0
49	880511	3	D	882153	PINK	31.0	0.20	0
49	880511	3	D	882154	PINK	32.0	0.18	0
49	880511	3	D	882147	SOCK	72.0	2.94	0
49	880511	3	D	882148	SOCK	65.0	2.30	0
49	880511	3	D	882149	SOCK	77.0	3.64	0
49	880511	3	D	882150	SOCK	76.0	3.58	0
49	880511	3	D	882151	SOCK	69.0	2.56	0
49	880511	3	D	882152	SOCK	66.0	2.48	0
49	880511	4	B	882162	CHIN	38.0	0.50	0
49	880511	4	B	882163	CHIN	39.0	0.56	0
49	880511	4	B	882164	CHUM	35.0	0.32	0
49	880511	4	B	882165	CHUM	35.0	0.28	0
49	880511	4	B	882166	PINK	29.0	0.14	0
49	880511	5	A	882167	CHUM	47.0	0.88	0
49	880511	5	A	882168	CHUM	52.0	1.08	0
49	880511	5	A	882169	CHUM	39.0	0.36	0
49	880511	5	A	882170	CHUM	37.0	0.36	0
49	880511	5	A	882171	CHUM	35.0	0.30	0
49	880511	5	A	882172	CHUM	35.0	0.32	0
50	880513	1	C	882188	CHIN	34.0	0.36	0
50	880513	1	C	882189	CHIN	39.0	0.44	0
50	880513	1	C	882190	CHIN	35.0	0.38	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
50	880513	1	C	882178	CHUM	49.0	1.18	0
50	880513	1	C	882179	CHUM	55.0	1.32	0
50	880513	1	C	882180	CHUM	45.0	0.74	0
50	880513	1	C	882181	CHUM	44.0	0.78	0
50	880513	1	C	882182	CHUM	44.0	0.58	0
50	880513	1	C	882183	CHUM	37.0	0.34	0
50	880513	1	C	882184	CHUM	34.0	0.28	0
50	880513	1	C	882185	CHUM	38.0	0.36	0
50	880513	1	C	882186	CHUM	39.0	0.36	0
50	880513	1	C	882187	CHUM	35.0	0.22	0
50	880513	1	C	882173	PINK	32.0	0.12	0
50	880513	1	C	882174	PINK	33.0	0.12	0
50	880513	1	C	882175	PINK	32.0	0.14	0
50	880513	1	C	882176	PINK	31.0	0.14	0
50	880513	1	C	882177	PINK	31.0	0.16	0
50	880513	1	C	882191	SOCK	74.0	2.94	0
50	880513	1	C	882192	SOCK	85.0	5.00	0
50	880513	1	C	882193	SOCK	104.0	7.66	0
50	880513	1	C	882194	SOCK	72.0	2.94	0
50	880513	1	C	882195	SOCK	78.0	3.72	0
50	880513	2	D	882196	CHIN	96.0	10.76	0
50	880513	2	D	882197	CHIN	82.0	5.62	0
50	880513	2	D	882198	CHIN	76.0	4.72	0
50	880513	2	D	882199	CHIN	36.0	0.38	0
50	880513	2	D	882200	CHIN	36.0	0.44	0
50	880513	2	D	882214	CHUM	51.0	0.86	0
50	880513	2	D	882215	CHUM	55.0	1.34	0
50	880513	2	D	882216	CHUM	49.0	0.98	0
50	880513	2	D	882217	CHUM	50.0	1.14	0
50	880513	2	D	882218	CHUM	58.0	1.56	0
50	880513	2	D	882219	CHUM	55.0	1.22	0
50	880513	2	D	882220	CHUM	55.0	1.36	0
50	880513	2	D	882221	CHUM	46.0	0.70	0
50	880513	2	D	882222	CHUM	50.0	1.06	0
50	880513	2	D	882223	CHUM	51.0	1.06	0
50	880513	2	D	882224	CHUM	44.0	0.62	0
50	880513	2	D	882225	CHUM	52.0	1.08	0
50	880513	2	D	882226	CHUM	37.0	0.32	0
50	880513	2	D	882227	CHUM	43.0	0.60	0
50	880513	2	D	882228	CHUM	37.0	0.32	0
50	880513	2	D	882229	CHUM	36.0	0.34	0

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SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
50	880513	2	D	882230	CHUM	34.0	0.24	0
50	880513	2	D	882231	CHUM	33.0	0.18	0
50	880513	2	D	882232	PINK	30.0	0.14	0
50	880513	2	D	882233	PINK	30.0	0.12	0
50	880513	2	D	882234	PINK	34.0	0.16	0
50	880513	2	D	882235	PINK	31.0	0.14	0
50	880513	2	D	882201	SOCK	99.0	8.42	0
50	880513	2	D	882202	SOCK	83.0	4.58	0
50	880513	2	D	882203	SOCK	85.0	5.44	0
50	880513	2	D	882204	SOCK	86.0	5.20	0
50	880513	2	D	882205	SOCK	88.0	3.72	0
50	880513	2	D	882206	SOCK	86.0	4.92	0
50	880513	2	D	882207	SOCK	93.0	7.38	0
50	880513	2	D	882208	SOCK	81.0	4.36	0
50	880513	2	D	882209	SOCK	88.0	3.82	0
50	880513	2	D	882210	SOCK	79.0	4.12	0
50	880513	2	D	882211	SOCK	84.0	5.34	0
50	880513	2	D	882212	SOCK	68.0	2.66	0
50	880513	2	D	882213	SOCK	78.0	3.80	0
50	880513	3	B	882249	CHIN	36.0	0.46	0
50	880513	3	B	882250	CHIN	36.0	0.38	0
50	880513	3	B	882251	CHIN	87.0	6.96	0
50	880513	3	B	882252	CHIN	89.0	7.28	0
50	880513	3	B	882261	CHIN	112.0	13.50	0
50	880513	3	B	882236	CHUM	56.0	1.26	0
50	880513	3	B	882237	CHUM	57.0	1.44	0
50	880513	3	B	882238	CHUM	34.0	0.24	0
50	880513	3	B	882239	CHUM	33.0	0.22	0
50	880513	3	B	882240	CHUM	47.0	0.72	0
50	880513	3	B	882241	CHUM	52.0	1.10	0
50	880513	3	B	882242	CHUM	44.0	0.66	0
50	880513	3	B	882243	CHUM	47.0	0.78	0
50	880513	3	B	882244	CHUM	46.0	0.78	0
50	880513	3	B	882245	CHUM	42.0	0.48	0
50	880513	3	B	882246	CHUM	33.0	0.24	0
50	880513	3	B	882247	CHUM	37.0	0.36	0
50	880513	3	B	882248	PINK	32.0	0.18	0
50	880513	3	B	882253	SOCK	75.0	3.36	0
50	880513	3	B	882254	SOCK	74.0	3.38	0
50	880513	3	B	882255	SOCK	81.0	5.18	0
50	880513	3	B	882256	SOCK	90.0	5.66	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
50	880513	3	B	882257	SOCK	79.0	4.00	0
50	880513	3	B	882258	SOCK	82.0	4.18	0
50	880513	3	B	882259	SOCK	72.0	3.12	0
50	880513	3	B	882260	SOCK	75.0	3.10	0
50	880513	4	E	882262	CHIN	103.0	10.60	0
50	880513	4	E	882263	CHIN	103.0	11.84	0
50	880513	4	E	882264	CHIN	80.0	5.84	0
50	880513	4	E	882265	CHIN	78.0	5.04	0
50	880513	4	E	882266	CHIN	37.0	0.34	0
50	880513	4	E	882267	CHIN	35.0	0.30	0
50	880513	4	E	882268	CHIN	37.0	0.38	0
50	880513	4	E	882269	CHIN	34.0	0.28	0
50	880513	4	E	882273	CHUM	58.0	1.34	0
50	880513	4	E	882274	CHUM	52.0	1.08	0
50	880513	4	E	882275	CHUM	59.0	1.66	0
50	880513	4	E	882276	CHUM	55.0	1.22	0
50	880513	4	E	882277	CHUM	52.0	0.96	0
50	880513	4	E	882270	COHO	41.0	0.58	0
50	880513	4	E	882271	COHO	34.0	0.24	0
50	880513	4	E	882272	PINK	32.0	0.14	0
50	880513	5	A	882278	CHIN	108.0	12.42	0
50	880513	5	A	882279	CHIN	104.0	11.80	0
50	880513	5	A	882280	CHIN	95.0	6.92	0
50	880513	5	A	882281	CHIN	92.0	8.98	0
50	880513	5	A	882282	CHIN	38.0	0.50	0
50	880513	5	A	882283	CHIN	37.0	0.50	0
50	880513	5	A	882284	CHIN	37.0	0.50	0
50	880513	5	A	882285	CHIN	38.0	0.52	0
50	880513	5	A	882286	CHIN	40.0	0.60	0
50	880513	5	A	882287	CHIN	37.0	0.50	0
50	880513	5	A	882288	CHIN	38.0	0.46	0
50	880513	5	A	882289	CHIN	37.0	0.42	0
50	880513	5	A	882290	CHIN	40.0	0.56	0
50	880513	5	A	882291	CHIN	37.0	0.46	0
50	880513	5	A	882304	CHUM	38.0	0.36	0
50	880513	5	A	882305	CHUM	57.0	1.44	0
50	880513	5	A	882306	CHUM	52.0	1.10	0
50	880513	5	A	882307	CHUM	41.0	0.50	0
50	880513	5	A	882308	CHUM	50.0	0.84	0
50	880513	5	A	882309	CHUM	57.0	1.36	0
50	880513	5	A	882310	CHUM	54.0	1.12	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
50	880513	5	A	882311	CHUM	50.0	1.02	0
50	880513	5	A	882312	CHUM	54.0	1.14	0
50	880513	5	A	882313	CHUM	45.0	0.68	0
50	880513	5	A	882314	CHUM	37.0	0.32	0
50	880513	5	A	882315	CHUM	44.0	0.54	0
50	880513	5	A	882316	CHUM	36.0	0.32	0
50	880513	5	A	882317	CHUM	44.0	0.64	0
50	880513	5	A	882318	CHUM	49.0	0.92	0
50	880513	5	A	882292	SOCK	75.0	3.44	0
50	880513	5	A	882293	SOCK	75.0	3.42	0
50	880513	5	A	882294	SOCK	74.0	2.98	0
50	880513	5	A	882295	SOCK	76.0	3.50	0
50	880513	5	A	882296	SOCK	75.0	3.46	0
50	880513	5	A	882297	SOCK	79.0	4.00	0
50	880513	5	A	882298	SOCK	85.0	4.34	0
50	880513	5	A	882299	SOCK	84.0	4.66	0
50	880513	5	A	882300	SOCK	78.0	3.58	0
50	880513	5	A	882301	SOCK	72.0	3.00	0
50	880513	5	A	882302	SOCK	77.0	3.54	0
50	880513	5	A	882303	SOCK	88.0	5.88	0
51	880516	1	A	880003	CHIN	63.0	2.68	1
51	880516	1	A	882319	CHIN	37.0	0.44	0
51	880516	1	A	882320	CHIN	57.0	2.02	0
51	880516	1	A	882321	CHIN	64.0	2.44	0
51	880516	1	A	882322	CHIN	89.0	8.16	0
51	880516	1	A	882323	CHIN	89.0	7.36	0
51	880516	1	A	882339	CHUM	49.0	0.82	0
51	880516	1	A	882340	CHUM	39.0	0.36	0
51	880516	1	A	882341	CHUM	36.0	0.34	0
51	880516	1	A	882342	CHUM	32.0	0.24	0
51	880516	1	A	882343	CHUM	47.0	0.84	0
51	880516	1	A	882344	CHUM	50.0	0.92	0
51	880516	1	A	882345	CHUM	49.0	0.82	0
51	880516	1	A	882346	CHUM	50.0	0.96	0
51	880516	1	A	882324	COHO	96.0	6.26	0
51	880516	1	A	882325	COHO	116.0	13.28	0
51	880516	1	A	882326	COHO	65.0	2.98	0
51	880516	1	A	882338	PINK	31.0	0.14	0
51	880516	1	A	882327	SOCK	100.0	8.10	0
51	880516	1	A	882328	SOCK	73.0	3.54	0
51	880516	1	A	882329	SOCK	77.0	3.72	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
51	880516	1	A	882330	SOCK	71.0	3.08	0
51	880516	1	A	882331	SOCK	74.0	3.08	0
51	880516	1	A	882332	SOCK	73.0	3.34	0
51	880516	1	A	882333	SOCK	73.0	3.28	0
51	880516	1	A	882334	SOCK	77.0	4.02	0
51	880516	1	A	882335	SOCK	66.0	2.50	0
51	880516	1	A	882336	SOCK	76.0	3.48	0
51	880516	1	A	882337	SOCK	66.0	2.28	0
51	880516	2	B	882360	CHIN	75.0	4.60	0
51	880516	2	B	882361	CHIN	40.0	0.62	0
51	880516	2	B	882362	CHIN	34.0	0.40	0
51	880516	2	B	882363	CHIN	36.0	0.36	0
51	880516	2	B	882364	CHUM	44.0	0.66	0
51	880516	2	B	882365	CHUM	38.0	0.36	0
51	880516	2	B	882366	CHUM	54.0	0.98	0
51	880516	2	B	882367	CHUM	36.0	0.34	0
51	880516	2	B	882368	CHUM	36.0	0.36	0
51	880516	2	B	882369	CHUM	36.0	0.32	0
51	880516	2	B	882370	CHUM	37.0	0.36	0
51	880516	2	B	882371	CHUM	39.0	0.44	0
51	880516	2	B	882372	CHUM	40.0	0.50	0
51	880516	2	B	882373	CHUM	36.0	0.32	0
51	880516	2	B	882374	CHUM	37.0	0.30	0
51	880516	2	B	882375	CHUM	37.0	0.30	0
51	880516	2	B	882376	CHUM	35.0	0.30	0
51	880516	2	B	882377	CHUM	40.0	0.46	0
51	880516	2	B	882357	COHO	121.0	20.00	0
51	880516	2	B	882358	COHO	94.0	9.48	0
51	880516	2	B	882359	COHO	88.0	7.60	0
51	880516	2	B	882347	SOCK	75.0	3.32	0
51	880516	2	B	882348	SOCK	87.0	5.64	0
51	880516	2	B	882349	SOCK	85.0	4.90	0
51	880516	2	B	882350	SOCK	61.0	2.10	0
51	880516	2	B	882351	SOCK	73.0	2.94	0
51	880516	2	B	882352	SOCK	68.0	2.62	0
51	880516	2	B	882353	SOCK	75.0	3.52	0
51	880516	2	B	882354	SOCK	70.0	2.88	0
51	880516	2	B	882355	SOCK	72.0	3.22	0
51	880516	2	B	882356	SOCK	78.0	3.84	0
51	880516	3	C	380004	CHIN	69.0	3.56	1
51	880516	3	C	382388	CHIN	35.0	0.36	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
51	880516	3	C	882389	CHUM	36.0	0.38	0
51	880516	3	C	882390	CHUM	38.0	0.38	0
51	880516	3	C	882391	CHUM	38.0	0.38	0
51	880516	3	C	882392	CHUM	37.0	0.40	0
51	880516	3	C	882393	CHUM	40.0	0.48	0
51	880516	3	C	882394	CHUM	37.0	0.36	0
51	880516	3	C	882395	CHUM	34.0	0.32	0
51	880516	3	C	882396	PINK	30.0	0.18	0
51	880516	3	C	882397	PINK	30.0	0.18	0
51	880516	3	C	882398	PINK	34.0	0.18	0
51	880516	3	C	882399	PINK	32.0	0.18	0
51	880516	3	C	882378	SOCK	101.0	9.52	0
51	880516	3	C	882379	SOCK	75.0	3.24	0
51	880516	3	C	882380	SOCK	72.0	2.84	0
51	880516	3	C	882381	SOCK	75.0	3.08	0
51	880516	3	C	882382	SOCK	70.0	2.88	0
51	880516	3	C	882383	SOCK	74.0	3.38	0
51	880516	3	C	882384	SOCK	73.0	3.00	0
51	880516	3	C	882385	SOCK	73.0	4.10	0
51	880516	3	C	882386	SOCK	75.0	3.24	0
51	880516	3	C	882387	SOCK	72.0	3.06	0
51	880516	4	D	882400	CHIN	87.0	7.16	0
51	880516	4	D	882410	CHUM	33.0	0.26	0
51	880516	4	D	882411	CHUM	35.0	0.34	0
51	880516	4	D	882412	CHUM	36.0	0.32	0
51	880516	4	D	882413	PINK	35.0	0.26	0
51	880516	4	D	882414	PINK	30.0	0.14	0
51	880516	4	D	882415	PINK	32.0	0.20	0
51	880516	4	D	882401	SOCK	90.0	5.92	0
51	880516	4	D	882402	SOCK	97.0	8.04	0
51	880516	4	D	882403	SOCK	87.0	3.34	0
51	880516	4	D	882404	SOCK	102.0	8.86	0
51	880516	4	D	882405	SOCK	71.0	2.74	0
51	880516	4	D	882406	SOCK	72.0	2.92	0
51	880516	4	D	882407	SOCK	77.0	3.90	0
51	880516	4	D	882408	SOCK	72.0	2.82	0
51	880516	4	D	882409	SOCK	68.0	2.38	0
51	880516	5	E	880005	CHIN	130.0	23.74	1
51	880516	5	E	882420	CHIN	37.0	0.48	0
51	880516	5	E	882421	CHIN	37.0	0.50	0
51	880516	5	E	882417	CHUM	35.0	0.36	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
51	880516	5	E	882418	CHUM	36.0	0.34	0
51	880516	5	E	882416	COHO	81.0	5.54	0
51	880516	5	E	882419	PINK	34.0	0.22	0
52	880518	1	E	882422	CHIN	103.0	11.66	0
52	880518	1	E	882423	CHIN	78.0	4.58	0
52	880518	1	E	882425	CHUM	31.0	0.32	0
52	880518	1	E	882426	PINK	32.0	0.24	0
52	880518	1	E	882424	SOCK	88.0	5.40	0
52	880518	2	B	882433	CHIN	76.0	5.04	0
52	880518	2	B	882434	CHIN	88.0	8.30	0
52	880518	2	B	882435	CHIN	45.0	0.96	0
52	880518	2	B	882436	CHUM	68.0	2.26	0
52	880518	2	B	882437	CHUM	35.0	0.32	0
52	880518	2	B	882427	SOCK	82.0	4.74	0
52	880518	2	B	882428	SOCK	94.0	6.54	0
52	880518	2	B	882429	SOCK	85.0	5.32	0
52	880518	2	B	882430	SOCK	75.0	3.74	0
52	880518	2	B	882431	SOCK	92.0	6.14	0
52	880518	2	B	882432	SOCK	79.0	3.68	0
52	880518	3	A	882439	CHIN	39.0	0.44	0
52	880518	3	A	882440	CHIN	91.0	7.86	0
52	880518	3	A	882445	CHUM	37.0	0.32	0
52	880518	3	A	882438	COHO	118.0	12.26	0
52	880518	3	A	882444	PINK	34.0	0.22	0
52	880518	3	A	882441	SOCK	73.0	3.26	0
52	880518	3	A	882442	SOCK	80.0	4.30	0
52	880518	3	A	882443	SOCK	82.0	4.46	0
52	880518	4	C	882455	CHUM	38.0	0.40	0
52	880518	4	C	882456	CHUM	39.0	0.40	0
52	880518	4	C	882457	CHUM	34.0	0.30	0
52	880518	4	C	882458	CHUM	35.0	0.32	0
52	880518	4	C	882459	CHUM	32.0	0.30	0
52	880518	4	C	880006	COHO	107.0	11.04	1
52	880518	4	C	882446	SOCK	79.0	3.98	0
52	880518	4	C	882447	SOCK	75.0	3.34	0
52	880518	4	C	882448	SOCK	83.0	4.74	0
52	880518	4	C	882449	SOCK	84.0	5.16	0
52	880518	4	C	882450	SOCK	83.0	4.84	0
52	880518	4	C	882451	SOCK	90.0	5.68	0
52	880518	4	C	882452	SOCK	79.0	4.30	0
52	880518	4	C	882453	SOCK	83.0	5.12	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
52	880518	4	C	882454	SOCK	76.0	3.44	0
52	880518	5	D	882460	CHIN	38.0	0.44	0
52	880518	5	D	882461	PINK	30.0	0.20	0
53	880519	1	A	882466	CHUM	40.0	0.48	0
53	880519	1	A	882467	CHUM	41.0	0.56	0
53	880519	1	A	882468	CHUM	40.0	0.40	0
53	880519	1	A	882469	CHUM	38.0	0.34	0
53	880519	1	A	882470	CHUM	35.0	0.38	0
53	880519	1	A	882463	COHO	94.0	8.80	0
53	880519	1	A	882464	COHO	75.0	4.42	0
53	880519	1	A	882465	COHO	83.0	5.68	0
53	880519	1	A	882462	SOCK	104.0	11.32	0
53	880519	2	B	882480	CHUM	37.0	0.38	0
53	880519	2	B	882481	CHUM	37.0	0.40	0
53	880519	2	B	882482	CHUM	39.0	0.42	0
53	880519	2	B	880007	COHO	130.0	22.44	1
53	880519	2	B	882471	SOCK	80.0	4.28	0
53	880519	2	B	882472	SOCK	91.0	5.74	0
53	880519	2	B	882473	SOCK	86.0	5.16	0
53	880519	2	B	882474	SOCK	83.0	5.44	0
53	880519	2	B	882475	SOCK	89.0	5.78	0
53	880519	2	B	882476	SOCK	81.0	4.58	0
53	880519	2	B	882477	SOCK	86.0	4.72	0
53	880519	2	B	882478	SOCK	75.0	3.30	0
53	880519	2	B	882479	SOCK	83.0	4.56	0
53	880519	3	E	882490	CHIN	39.0	0.52	0
53	880519	3	E	882491	CHUM	38.0	0.38	0
53	880519	3	E	882492	CHUM	40.0	0.44	0
53	880519	3	E	882493	CHUM	39.0	0.42	0
53	880519	3	E	882494	CHUM	38.0	0.44	0
53	880519	3	E	882495	CHUM	32.0	0.26	0
53	880519	3	E	882496	CHUM	35.0	0.30	0
53	880519	3	E	882497	CHUM	35.0	0.34	0
53	880519	3	E	882483	SOCK	88.0	5.88	0
53	880519	3	E	882484	SOCK	79.0	3.92	0
53	880519	3	E	882485	SOCK	84.0	4.56	0
53	880519	3	E	882486	SOCK	84.0	4.74	0
53	880519	3	E	882487	SOCK	84.0	4.74	0
53	880519	3	E	882488	SOCK	87.0	5.60	0
53	880519	3	E	882489	SOCK	82.0	4.56	0
53	880519	4	D	882512	CHIN	37.0	0.42	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
53	880519	4	D	882513	CHIN	38.0	0.48	0
53	880519	4	D	882508	CHUM	35.0	0.34	0
53	880519	4	D	882509	CHUM	40.0	0.42	0
53	880519	4	D	882510	CHUM	34.0	0.32	0
53	880519	4	D	882511	CHUM	36.0	0.30	0
53	880519	4	D	882498	SOCK	83.0	4.76	0
53	880519	4	D	882499	SOCK	80.0	4.54	0
53	880519	4	D	882500	SOCK	76.0	3.74	0
53	880519	4	D	882501	SOCK	87.0	5.88	0
53	880519	4	D	882502	SOCK	90.0	6.00	0
53	880519	4	D	882503	SOCK	81.0	3.92	0
53	880519	4	D	882504	SOCK	80.0	4.36	0
53	880519	4	D	882505	SOCK	83.0	5.08	0
53	880519	4	D	882506	SOCK	81.0	4.16	0
53	880519	4	D	882507	SOCK	72.0	2.68	0
53	880519	5	C	882526	CHUM	53.0	1.12	0
53	880519	5	C	882527	CHUM	35.0	0.32	0
53	880519	5	C	882528	CHUM	40.0	0.44	0
53	880519	5	C	882529	CHUM	39.0	0.40	0
53	880519	5	C	882530	CHUM	36.0	0.38	0
53	880519	5	C	882514	SOCK	76.0	3.66	0
53	880519	5	C	882515	SOCK	86.0	5.54	0
53	880519	5	C	882516	SOCK	74.0	3.10	0
53	880519	5	C	882517	SOCK	87.0	5.54	0
53	880519	5	C	882518	SOCK	82.0	4.58	0
53	880519	5	C	882519	SOCK	85.0	3.74	0
53	880519	5	C	882520	SOCK	85.0	4.60	0
53	880519	5	C	882521	SOCK	82.0	4.08	0
53	880519	5	C	882522	SOCK	88.0	5.00	0
53	880519	5	C	882523	SOCK	77.0	3.70	0
53	880519	5	C	882524	SOCK	87.0	4.84	0
53	880519	5	C	882525	SOCK	86.0	5.72	0
54	880525	1	D	882531	CHIN	43.0	0.66	0
54	880525	2	E	882532	CHIN	38.0	0.48	0
54	880525	3	A	882533	CHIN	42.0	0.64	0
54	880525	3	A	882534	CHIN	39.0	0.38	0
54	880525	3	A	882539	CHUM	39.0	0.32	0
54	880525	3	A	882540	CHUM	32.0	0.18	0
54	880525	3	A	880008	COHO	128.0	19.18	1
54	880525	3	A	882535	COHO	42.0	0.60	0
54	880525	3	A	882536	COHO	38.0	0.38	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
54	880525	3	A	882537	SOCK	48.0	0.86	0
54	880525	3	A	882538	SOCK	36.0	0.32	0
54	880525	4	C	882541	CHIN	42.0	0.68	0
54	880525	4	C	882542	CHIN	40.0	0.58	0
54	880525	4	C	880011	COHO	120.0	16.20	1
54	880525	4	C	882543	SOCK	85.0	5.10	0
55	880530	2	B	882546	CHIN	37.0	0.28	0
55	880530	2	B	882544	CHUM	37.0	0.30	0
55	880530	2	B	882545	CHUM	38.0	0.34	0
55	880530	3	C	882548	CHUM	36.0	0.34	0
55	880530	3	C	882549	CHUM	37.0	0.38	0
55	880530	3	C	882550	CHUM	37.0	0.36	0
55	880530	3	C	882551	CHUM	36.0	0.36	0
55	880530	3	C	882552	CHUM	36.0	0.36	0
55	880530	3	C	882553	CHUM	37.0	0.32	0
55	880530	3	C	882554	CHUM	35.0	0.28	0
55	880530	3	C	882555	CHUM	34.0	0.26	0
55	880530	3	C	880009	COHO	118.0	14.12	1
55	880530	3	C	880010	COHO	130.0	19.00	1
55	880530	3	C	882547	SOCK	95.0	7.14	0
55	880530	4	D	882566	CHIN	40.0	0.50	0
55	880530	4	D	882556	CHUM	40.0	0.42	0
55	880530	4	D	882557	CHUM	38.0	0.38	0
55	880530	4	D	882558	CHUM	35.0	0.36	0
55	880530	4	D	882559	CHUM	36.0	0.30	0
55	880530	4	D	882560	CHUM	37.0	0.38	0
55	880530	4	D	882561	CHUM	35.0	0.28	0
55	880530	4	D	882562	CHUM	35.0	0.26	0
55	880530	4	D	882563	CHUM	38.0	0.34	0
55	880530	4	D	882564	CHUM	33.0	0.22	0
55	880530	4	D	882565	CHUM	36.0	0.42	0
55	880530	5	E	882567	CHIN	101.0	8.84	0
55	880530	5	E	882568	CHIN	94.0	9.48	0
55	880530	5	E	882569	CHUM	62.0	1.76	0
55	880530	5	E	882570	CHUM	36.0	0.32	0
55	880530	5	E	882571	CHUM	36.0	0.34	0
55	880530	5	E	882572	CHUM	35.0	0.32	0
55	880530	5	E	882573	CHUM	37.0	0.34	0
55	880530	6	A	880012	CHIN	85.0	5.94	1
55	880530	6	A	882574	CHUM	65.0	2.22	0
55	880530	6	A	882575	CHUM	58.0	1.62	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
55	880530	6	A	882576	CHUM	51.0	1.08	0
55	880530	6	A	882577	CHUM	48.0	0.86	0
55	880530	6	A	882578	CHUM	38.0	0.42	0
55	880530	6	A	882579	CHUM	37.0	0.34	0
55	880530	6	A	882580	CHUM	35.0	0.36	0
55	880530	6	A	882581	CHUM	37.0	0.40	0
55	880530	6	A	882582	CHUM	38.0	0.44	0
55	880530	6	A	882583	CHUM	35.0	0.38	0
55	880530	6	A	882584	CHUM	37.0	0.38	0
55	880530	7	C	882587	CHIN	30.0	0.44	0
55	880530	7	C	882588	CHUM	35.0	0.36	0
55	880530	7	C	882589	CHUM	33.0	0.42	0
55	880530	7	C	882590	CHUM	33.0	0.34	0
55	880530	7	C	882591	CHUM	41.0	0.56	0
55	880530	7	C	880013	COHO	121.0	17.04	1
55	880530	7	C	882585	COHO	113.0	14.06	0
55	880530	7	C	882586	COHO	39.0	0.60	0
56	880601	2	C	882592	CHIN	140.0	26.36	0
56	880601	2	C	882593	CHIN	81.0	5.98	0
56	880601	2	C	882594	CHIN	76.0	4.30	0
56	880601	2	C	882595	CHUM	38.0	0.38	0
56	880601	2	C	882596	CHUM	35.0	0.34	0
56	880601	2	C	882597	CHUM	37.0	0.36	0
56	880601	4	E	882598	CHIN	104.0	10.40	0
56	880601	5	A	882699	CHUM	35.0	0.40	0
56	880601	5	A	882600	CHUM	36.0	0.34	0
57	880603	1	A	882601	CHIN	83.0	5.50	0
57	880603	1	A	882602	CHIN	69.0	2.90	0
57	880603	1	A	882603	CHIN	72.0	3.26	0
57	880603	1	A	882604	CHIN	58.0	1.64	0
57	880603	1	A	882605	CHIN	36.0	0.34	0
57	880603	1	A	882606	CHUM	44.0	0.66	0
57	880603	2	B	880014	CHIN	79.0	4.98	1
57	880603	2	B	880015	CHIN	72.0	3.58	1
57	880603	2	B	882607	CHIN	97.0	9.76	0
57	880603	2	B	882608	CHIN	47.0	0.98	0
57	880603	2	B	882609	CHUM	46.0	0.88	0
57	880603	2	B	882610	CHUM	46.0	0.98	0
57	880603	2	B	882611	CHUM	36.0	0.34	0
57	880603	2	B	882612	CHUM	36.0	0.36	0
57	880603	2	B	882613	CHUM	35.0	0.34	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
57	880603	3	E	880016	CHIN	91.0	9.22	1
57	880603	3	E	880017	CHIN	92.0	8.72	1
57	880603	3	E	882614	CHUM	36.0	0.40	0
57	880603	4	C	882616	CHIN	85.0	7.24	0
57	880603	4	C	882617	CHIN	72.0	4.04	0
57	880603	4	C	882618	CHUM	37.0	0.32	0
57	880603	4	C	882619	CHUM	34.0	0.36	0
57	880603	4	C	882620	CHUM	35.0	0.32	0
57	880603	4	C	882621	CHUM	36.0	0.38	0
57	880603	4	C	882622	CHUM	37.0	0.36	0
57	880603	4	C	882615	COHO	89.0	7.36	0
57	880603	5	D	882623	CHIN	75.0	4.20	0
57	880603	5	D	882624	CHUM	35.0	0.32	0
57	880603	5	D	882625	CHUM	36.0	0.36	0
57	880603	5	D	882626	CHUM	37.0	0.32	0
57	880603	5	D	882627	CHUM	37.0	0.38	0
58	880607	3	C	882628	CHIN	115.0	13.74	0
58	880607	5	D	880018	CHIN	94.0	9.00	1
58	880607	5	D	882629	CHUM	37.0	0.36	0
58	880607	5	D	882630	CHUM	37.0	0.34	0
59	880608	1	B	882631	CHIN	115.0	14.48	0
59	880608	1	B	882632	CHUM	36.0	0.34	0
59	880608	2	A	880019	CHIN	73.0	4.42	1
59	880608	2	A	880020	CHIN	82.0	6.24	1
59	880608	2	A	882633	CHIN	81.0	5.96	0
59	880608	2	A	882634	SOCK	61.0	1.84	0
59	880608	2	A	882635	SOCK	76.0	4.48	0
59	880608	2	A	882636	SOCK	76.0	3.26	0
59	880608	3	C	882641	CHIN	78.0	5.12	0
59	880608	3	C	882642	CHIN	98.0	10.42	0
59	880608	3	C	882643	CHIN	37.0	0.48	0
59	880608	3	C	882640	COHO	93.0	8.88	0
59	880608	3	C	882637	SOCK	87.0	5.82	0
59	880608	3	C	882638	SOCK	87.0	5.66	0
59	880608	3	C	882639	SOCK	84.0	5.60	0
59	880608	5	E	880021	CHIN	78.0	5.34	1
59	880608	5	E	880022	CHIN	76.0	4.60	1
59	880608	5	E	882645	CHIN	60.0	2.28	0
59	880608	5	E	882646	CHIN	67.0	3.14	0
59	880608	5	E	882647	CHIN	80.0	6.14	0
59	880608	5	E	882648	CHIN	55.0	1.86	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
59	880608	5	E	882644	CHUM	35.0	0.30	0
60	880613	1	A	880023	CHIN	119.0	19.90	1
60	880613	1	A	880104	CHIN	83.0	7.04	1
60	880613	1	A	882649	CHUM	49.0	1.00	0
60	880613	1	A	882650	CHUM	44.0	0.74	0
60	880613	1	A	882651	CHUM	53.0	1.34	0
60	880613	1	A	882652	CHUM	52.0	1.22	0
60	880613	1	A	882653	CHUM	50.0	1.10	0
60	880613	1	A	882654	CHUM	51.0	1.26	0
60	880613	1	A	882655	CHUM	48.0	0.90	0
60	880613	1	A	882656	CHUM	46.0	0.84	0
60	880613	2	B	882657	CHUM	45.0	0.72	0
60	880613	2	B	882658	CHUM	44.0	0.84	0
60	880613	2	B	882659	CHUM	45.0	0.82	0
60	880613	2	B	882660	CHUM	42.0	0.62	0
60	880613	2	B	882661	CHUM	47.0	0.90	0
60	880613	3	C	880024	CHIN	79.0	4.94	1
60	880613	3	C	882662	CHUM	53.0	1.24	0
60	880613	3	C	882663	CHUM	57.0	1.80	0
60	880613	3	C	882664	CHUM	49.0	1.06	0
60	880613	3	C	882665	CHUM	58.0	0.92	0
60	880613	3	C	882666	CHUM	52.0	1.12	0
60	880613	3	C	882667	CHUM	36.0	0.32	0
60	880613	3	C	882668	RAIN	34.0	0.38	0
60	880613	4	D	880025	CHIN	106.0	14.46	1
60	880613	4	D	882669	CHIN	92.0	8.66	0
60	880613	4	D	882670	CHUM	38.0	0.38	0
60	880613	5	E	882671	CHIN	83.0	6.52	0
60	880613	5	E	882672	CHUM	36.0	0.42	0
61	880615	1	A	882682	CHIN	86.0	7.22	0
61	880615	1	A	882683	CHIN	92.0	7.08	0
61	880615	1	A	882684	CHIN	94.0	10.26	0
61	880615	1	A	882685	CHIN	78.0	4.82	0
61	880615	1	A	882686	CHIN	71.0	3.86	0
61	880615	1	A	882687	CHIN	41.0	0.46	0
61	880615	1	A	882709	CHIN	83.0	4.44	0
61	880615	1	A	880026	COHO	109.0	14.52	1
61	880615	1	A	882673	SOCK	46.0	0.72	0
61	880615	1	A	882674	SOCK	47.0	0.92	0
61	880615	1	A	882675	SOCK	48.0	0.94	0
61	880615	1	A	882676	SOCK	48.0	1.02	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
61	880615	1	A	882677	SOCK	47.0	0.88	0
61	880615	1	A	882678	SOCK	49.0	1.02	0
61	880615	1	A	882679	SOCK	45.0	0.82	0
61	880615	1	A	882680	SOCK	51.0	1.16	0
61	880615	1	A	882681	SOCK	52.0	1.38	0
61	880615	2	B	880027	CHIN	108.0	14.02	1
61	880615	2	B	880028	CHIN	97.0	9.44	1
61	880615	2	B	882689	CHIN	89.0	6.84	0
61	880615	2	B	882690	CHIN	44.0	0.88	0
61	880615	2	B	882688	COHO	108.0	11.04	0
61	880615	2	B	882691	SOCK	27.0	0.14	0
61	880615	2	B	882692	SOCK	45.0	0.84	0
61	880615	3	C	882693	CHIN	82.0	6.66	0
61	880615	3	C	882694	CHIN	80.0	5.30	0
61	880615	3	C	882695	CHIN	78.0	5.24	0
61	880615	3	C	882696	CHIN	89.0	6.84	0
61	880615	3	C	882697	CHIN	92.0	7.98	0
61	880615	3	C	882698	SOCK	50.0	0.96	0
61	880615	3	C	882699	SOCK	52.0	0.84	0
61	880615	3	C	882700	SOCK	44.0	0.70	0
61	880615	3	C	882701	SOCK	50.0	1.08	0
61	880615	3	C	882702	SOCK	45.0	0.70	0
61	880615	3	C	882703	SOCK	35.0	0.34	0
61	880615	5	E	882704	CHIN	78.0	5.74	0
61	880615	5	E	882705	CHIN	37.0	0.46	0
61	880615	5	E	882706	CHUM	36.0	0.30	0
61	880615	5	E	882707	CHUM	36.0	0.32	0
62	880620	1	A	880029	CHIN	92.0	9.90	1
62	880620	1	A	882708	SOCK	47.0	0.86	0
62	880620	2	B	880030	CHIN	85.0	7.08	1
62	880620	3	C	880031	CHIN	80.0	6.80	1
62	880620	3	C	882710	SOCK	34.0	0.10	0
62	880621	5	E	882711	SOCK	35.0	0.32	0
63	880624	1	A	882712	SOCK	59.0	2.36	0
63	880624	1	A	882713	SOCK	119.0	16.98	0
63	880624	2	B	882714	SOCK	42.0	0.58	0
63	880624	3	C	880032	COHO	108.0	12.02	1
63	880624	3	C	882715	SOCK	54.0	1.32	0
63	880624	3	C	882716	SOCK	36.0	0.10	0
63	880624	4	D	882717	SOCK	40.0	0.40	0
64	880627	1	A	880033	CHIN	91.0	8.66	1

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
64	880627	1	A	882718	CHIN	67.0	3.30	0
64	880627	1	A	882719	CHIN	65.0	2.96	0
64	880627	1	A	882720	SOCK	51.0	1.14	0
64	880627	1	A	882721	SOCK	55.0	1.74	0
64	880627	1	A	882722	SOCK	47.0	1.06	0
64	880627	1	A	882723	SOCK	50.0	1.30	0
64	880627	1	A	882724	SOCK	52.0	1.44	0
64	880627	1	A	882725	SOCK	48.0	1.04	0
64	880627	1	A	882726	SOCK	50.0	1.28	0
64	880627	1	A	882727	SOCK	53.0	1.42	0
64	880627	1	A	882728	SOCK	47.0	1.16	0
64	880627	1	A	882729	SOCK	52.0	1.58	0
64	880627	1	A	882730	SOCK	47.0	1.10	0
64	880627	1	A	882731	SOCK	46.0	0.86	0
64	880627	1	A	882732	SOCK	45.0	0.94	0
64	880627	1	A	882733	SOCK	48.0	1.08	0
64	880627	1	A	882734	SOCK	36.0	0.36	0
64	880627	2	B	880034	CHIN	93.0	9.90	1
64	880627	2	B	880035	CHIN	92.0	9.62	1
64	880627	2	B	882735	CHIN	95.0	9.50	0
64	880627	2	B	882736	CHIN	57.0	1.80	0
64	880627	2	B	882737	CHIN	77.0	5.04	0
64	880627	2	B	882738	CHIN	61.0	2.80	0
64	880627	3	C	882739	CHIN	118.0	20.56	0
64	880627	3	C	882740	SOCK	44.0	0.80	0
65	880629	1	A	882741	CHIN	83.0	6.78	0
65	880629	1	A	882742	CHIN	75.0	4.88	0
65	880629	1	A	882743	CHIN	77.0	5.40	0
65	880629	1	A	882744	CHIN	83.0	7.84	0
65	880629	1	A	882745	CHIN	80.0	6.04	0
65	880629	1	A	882746	CHIN	68.0	3.56	0
65	880629	2	B	880039	CHIN	98.0	11.74	1
65	880629	2	B	882747	CHIN	81.0	7.42	0
65	880629	2	B	882748	SOCK	52.0	1.28	0
65	880629	3	C	880036	CHIN	94.0	10.88	1
65	880629	3	C	880037	CHIN	91.0	9.66	1
65	880629	3	C	880038	CHIN	79.0	6.24	1
65	880629	3	C	882749	CHIN	96.0	9.78	0
65	880629	3	C	882750	CHIN	98.0	11.08	0
65	880629	3	C	882751	CHIN	95.0	9.68	0
65	880629	4	D	882752	SOCK	82.0	5.26	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
65	880629	5	E	882753	CHIN	60.0	2.56	0
65	880629	5	E	882754	CHIN	49.0	1.40	0
66	880704	4	D	888040	CHIN	100.0	11.70	1
66	880704	4	D	882755	CHIN	107.0	15.18	0
67	880707	1	A	882757	CHIN	74.0	4.52	0
67	880707	1	A	882758	CHIN	95.0	9.64	0
67	880707	1	A	882759	CHIN	107.0	13.04	0
67	880707	1	A	882760	CHIN	84.0	7.04	0
67	880707	1	A	882761	CHIN	80.0	5.84	0
67	880707	1	A	882762	CHIN	79.0	5.64	0
67	880707	1	A	882763	CHIN	76.0	5.02	0
67	880707	1	A	882764	CHIN	69.0	3.64	0
67	880707	1	A	882765	CHIN	62.0	2.94	0
67	880707	1	A	882766	CHIN	66.0	3.66	0
67	880707	1	A	882756	SOCK	59.0	1.84	0
67	880707	2	B	882767	CHIN	91.0	8.86	0
67	880707	2	B	882768	CHIN	87.0	7.12	0
67	880707	2	B	882769	CHIN	77.0	5.88	0
67	880707	2	B	882770	CHIN	76.0	5.08	0
67	880707	2	B	882771	CHIN	77.0	5.10	0
67	880707	2	B	882772	CHIN	76.0	5.22	0
67	880707	2	B	882773	CHIN	83.0	6.46	0
67	880707	2	B	882774	CHIN	74.0	4.94	0
67	880707	2	B	882775	CHIN	78.0	5.14	0
67	880707	2	B	882776	CHIN	75.0	4.78	0
67	880707	2	B	882777	CHIN	73.0	4.36	0
67	880707	2	B	882778	CHIN	61.0	2.14	0
67	880707	3	C	882780	CHIN	79.0	6.70	0
67	880707	3	C	882781	CHIN	76.0	5.68	0
67	880707	3	C	882782	CHIN	81.0	5.72	0
67	880707	3	C	882779	SOCK	57.0	1.70	0
67	880707	4	D	882783	CHIN	96.0	10.46	0
67	880707	4	D	882784	CHIN	85.0	6.86	0
67	880707	4	D	882785	CHIN	75.0	4.88	0
67	880707	4	D	882786	CHIN	82.0	6.80	0
67	880707	4	D	882787	CHIN	70.0	3.88	0
67	880707	5	E	882788	CHIN	72.0	4.12	0
67	880707	5	E	882789	CHIN	65.0	3.28	0
67	880707	5	E	882790	SOCK	50.0	1.46	0
69	880714	1	E	882791	CHIN	66.0	3.34	0
70	880718	1	A	882792	CHIN	102.0	13.36	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
70	880718	1	A	882793	CHIN	76.0	5.14	0
70	880718	1	A	882794	CHIN	72.0	4.46	0
70	880718	1	A	882795	CHIN	66.0	3.56	0
70	880718	1	A	882796	SOCK	57.0	1.72	0
70	880718	1	A	882797	SOCK	64.0	2.68	0
70	880718	1	A	882798	SOCK	54.0	1.56	0
70	880718	1	A	882799	SOCK	56.0	1.90	0
70	880718	1	A	882800	SOCK	52.0	1.60	0
70	880718	1	A	882801	SOCK	61.0	2.14	0
70	880718	1	A	882802	SOCK	63.0	2.22	0
70	880718	1	A	882803	SOCK	64.0	2.78	0
70	880718	1	A	882804	SOCK	63.0	2.00	0
70	880718	1	A	882805	SOCK	55.0	1.44	0
70	880718	1	A	882806	SOCK	57.0	1.76	0
71	880721	1	A	882807	CHIN	81.0	6.88	0
71	880721	1	A	882808	CHIN	82.0	6.02	0
71	880721	1	A	882809	SOCK	67.0	2.88	0
71	880721	2	E	882810	CHIN	77.0	5.74	0
71	880721	3	D	882811	CHIN	81.0	6.50	0
71	880721	3	D	882812	CHIN	83.0	6.64	0
71	880721	3	D	882813	CHIN	68.0	3.62	0
71	880721	4	C	880103	CHIN	99.0	12.40	1
71	880721	5	B	882814	CHIN	86.0	7.70	0
71	880721	5	B	882815	CHIN	80.0	6.88	0
71	880721	5	B	882816	CHIN	78.0	5.72	0
71	880721	5	B	882817	SOCK	59.0	1.98	0
71	880721	5	B	882818	SOCK	57.0	2.18	0
71	880721	5	B	881819	SOCK	53.0	1.68	0
72	880726	1	E	882820	CHIN	82.0	9.40	0
72	880726	1	E	882821	CHIN	77.0	5.94	0
72	880726	1	E	882822	CHIN	85.0	7.60	0
72	880726	2	D	882823	CHIN	70.0	4.39	0
72	880726	2	D	882824	CHIN	95.0	10.78	0
72	880726	2	D	882825	CHIN	80.0	6.60	0
72	880726	3	C	882826	CHIN	96.0	11.20	0
72	880726	3	C	882827	CHIN	85.0	7.88	0
72	880726	5	A	882828	CHIN	106.0	15.74	0
72	880726	5	A	882829	CHIN	85.0	7.30	0
73	880729	3	C	882830	CHIN	79.0	6.22	0
73	880729	3	C	882831	CHIN	101.0	14.04	0
73	880729	4	D	882832	CHIN	91.0	9.78	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
73	880729	4	D	882833	CHIN	97.0	11.42	0
73	880729	4	D	882834	CHIN	98.0	11.86	0
74	880803	1	A	882835	CHIN	90.0	10.04	0
74	880803	1	A	882836	CHIN	93.0	9.90	0
74	880803	1	A	882837	CHIN	79.0	6.04	0
74	880803	2	B	882838	CHIN	84.0	7.78	0
74	880803	2	B	882839	CHIN	91.0	9.94	0
74	880803	3	C	882840	CHIN	90.0	9.76	0
74	880803	4	D	882841	CHIN	93.0	9.94	0
75	880805	1	A	882842	CHIN	100.0	11.14	0
75	880805	1	A	882843	CHIN	81.0	6.58	0
75	880805	2	B	882844	CHIN	96.0	10.54	0
75	880805	3	C	882845	CHIN	88.0	8.04	0
75	880805	3	C	882846	CHIN	117.0	18.92	0
75	880805	3	C	882847	CHIN	86.0	7.72	0
76	880808	1	A	882848	CHIN	95.0	10.56	0
76	880808	1	A	882849	CHIN	100.0	12.26	0
76	880808	2	B	882850	CHIN	100.0	11.36	0
76	880808	2	B	882851	CHIN	91.0	8.74	0
76	880808	2	B	882852	CHIN	52.0	1.60	0
76	880808	2	B	882853	SOCK	47.0	0.90	0
76	880808	3	C	882854	CHIN	98.0	10.16	0
76	880808	3	C	882855	CHIN	91.0	8.10	0
76	880808	3	C	882856	CHIN	80.0	5.46	0
76	880808	3	C	882857	CHIN	84.0	6.76	0
76	880808	3	C	882858	CHIN	100.0	10.96	0
76	880808	4	D	882859	CHIN	93.0	9.06	0
77	880811	1	D	882860	SOCK	86.0	6.22	0
77	880811	2	C	882861	CHIN	93.0	10.06	0
77	880811	2	C	882862	CHIN	105.0	14.04	0
77	880811	2	C	882863	CHIN	90.0	8.32	0
77	880811	2	C	882864	SOCK	89.0	6.76	0
77	880811	2	C	882865	SOCK	67.0	2.86	0
77	880811	3	B	882866	CHIN	97.0	11.64	0
77	880811	3	B	882867	SOCK	63.0	2.54	0
77	880811	4	A	882871	CHIN	85.0	6.86	0
77	880811	4	A	882868	SOCK	108.0	12.32	0
77	880811	4	A	882869	SOCK	73.0	4.08	0
77	880811	4	A	882870	SOCK	73.0	4.18	0
77	880811	5	E	882872	CHIN	94.0	10.30	0
77	880811	5	E	882873	SOCK	71.0	3.50	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED IN FORMALIN AND PRESERVED IN ALCOHOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
79	880818	2	B	882874	CHIN	101.0	12.46	0
79	880818	4	D	882875	CHIN	110.0	15.18	0
79	880818	4	D	882876	CHIN	70.0	3.86	0
82	880831	1	A	882877	CHIN	38.0	0.42	0
82	880831	2	B	882878	SOCK	94.0	9.46	0

Table 4. Length - weight data from trawl caught juvenile salmonids, Fraser River at Queens Reach, 1987-1988. Specimens fixed in ethanol.

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED AND PRESERVED IN ETHANOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
46	880428	.	.	883288	SOCK	101.0	6.92	0
46	880428	.	.	883289	SOCK	77.0	3.06	0
46	880428	.	.	883290	SOCK	85.0	4.26	0
46	880428	.	.	883291	SOCK	82.0	3.94	0
46	880428	.	.	883292	SOCK	72.0	2.82	0
46	880428	.	.	883293	SOCK	71.0	2.24	0
46	880428	.	.	883294	SOCK	82.0	3.78	0
46	880428	.	.	883295	SOCK	77.0	2.94	0
46	880428	.	.	883296	SOCK	76.0	2.78	0
46	880428	.	.	883297	SOCK	69.0	2.16	0
46	880428	.	.	883298	SOCK	76.0	2.96	0
46	880428	.	.	883299	SOCK	77.0	3.12	0
46	880428	.	.	883300	SOCK	66.0	1.74	0
46	880428	.	.	883301	SOCK	83.0	3.68	0
46	880428	.	.	883302	SOCK	72.0	2.38	0
46	880428	.	.	883303	SOCK	76.0	3.10	0
46	880428	.	.	883304	SOCK	78.0	2.76	0
46	880428	.	.	883305	SOCK	79.0	3.24	0
46	880428	.	.	883306	SOCK	78.0	3.32	0
46	880428	.	.	883307	SOCK	74.0	2.46	0
46	880428	.	.	883308	SOCK	74.0	2.52	0
46	880428	.	.	883309	SOCK	87.0	3.82	0
46	880428	.	.	883310	SOCK	76.0	3.32	0
46	880428	.	.	883311	SOCK	68.0	2.04	0
46	880428	.	.	883312	SOCK	80.0	3.58	0
46	880428	.	.	883313	SOCK	75.0	2.68	0
46	880428	.	.	883314	SOCK	99.0	6.74	0
46	880428	.	.	883315	SOCK	93.0	3.38	0
46	880428	.	.	883316	SOCK	80.0	3.00	0
46	880428	.	.	883317	SOCK	74.0	2.72	0
46	880428	.	.	883318	SOCK	74.0	2.62	0
46	880428	.	.	883319	SOCK	74.0	2.64	0
46	880428	.	.	883320	SOCK	73.0	2.38	0
46	880428	.	.	883321	SOCK	74.0	3.16	0
46	880428	.	.	883322	SOCK	76.0	3.06	0
46	880428	.	.	883323	SOCK	81.0	3.96	0
46	880428	.	.	883324	SOCK	87.0	4.82	0
46	880428	.	.	883325	SOCK	86.0	3.56	0
46	880428	.	.	883326	SOCK	69.0	2.12	0
46	880428	.	.	883327	SOCK	82.0	3.46	0
46	880428	.	.	883328	SOCK	75.0	3.10	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED AND PRESERVED IN ETHANOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
46	880428	.	.	883329	SOCK	71.0	2.42	0
46	880428	.	.	883330	SOCK	81.0	4.00	0
46	880428	.	.	883331	SOCK	76.0	2.56	0
46	880428	.	.	883332	SOCK	79.0	3.14	0
46	880428	.	.	883333	SOCK	70.0	2.38	0
46	880428	.	.	883334	SOCK	76.0	2.58	0
46	880428	.	.	883335	SOCK	79.0	3.32	0
46	880428	.	.	883336	SOCK	75.0	2.48	0
46	880428	.	.	883337	SOCK	76.0	2.60	0
46	880428	.	.	883338	SOCK	93.0	6.46	0
46	880428	.	.	883339	SOCK	89.0	5.20	0
46	880428	.	.	883340	SOCK	100.0	8.26	0
46	880428	.	.	883341	SOCK	105.0	8.42	0
46	880428	.	.	883342	SOCK	92.0	6.44	0
46	880428	.	.	883343	SOCK	65.0	2.22	0
46	880428	.	.	883344	SOCK	77.0	3.46	0
46	880428	.	.	883345	SOCK	75.0	2.72	0
46	880428	.	.	883346	SOCK	89.0	5.70	0
46	880428	.	.	883347	SOCK	84.0	4.46	0
46	880428	.	.	883348	SOCK	73.0	2.74	0
46	880428	.	.	883349	SOCK	70.0	2.52	0
46	880428	.	.	883350	SOCK	82.0	4.14	0
46	880428	.	.	883351	SOCK	83.0	4.32	0
46	880428	.	.	883352	SOCK	78.0	2.96	0
46	880428	.	.	883353	SOCK	76.0	3.20	0
46	880428	.	.	883354	SOCK	99.0	7.38	0
46	880428	.	.	883355	SOCK	97.0	6.90	0
46	880428	.	.	883356	SOCK	77.0	3.18	0
46	880428	.	.	883357	SOCK	78.0	3.20	0
46	880428	.	.	883358	SOCK	70.0	2.28	0
46	880428	.	.	883359	SOCK	67.0	2.02	0
48	880511	2	B	883378	SOCK	95.0	6.2[illegible]	0
48	880511	2	B	883379	SOCK	79.0	3.20	0
48	880510	2	B	883380	SOCK	70.0	2.30	0
48	880510	2	B	883381	SOCK	73.0	2.72	0
48	880510	2	B	883382	SOCK	74.0	2.96	0
48	880510	2	B	883383	SOCK	73.0	2.56	0
48	880510	2	B	883384	SOCK	75.0	2.66	0
48	880510	2	B	883385	SOCK	75.0	2.80	0
48	880510	2	B	883386	SOCK	72.0	2.44	0
48	880510	2	B	883387	SOCK	73.0	2.86	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED AND PRESERVED IN ETHANOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
48	880510	2	B	883388	SOCK	72.0	2.48	0
48	880510	2	B	883389	SOCK	69.0	2.12	0
48	880510	2	B	883390	SOCK	84.0	3.62	0
48	880510	2	B	883391	SOCK	74.0	2.64	0
48	880510	2	B	883392	SOCK	78.0	2.78	0
48	880510	2	B	883393	SOCK	76.0	2.94	0
48	880510	2	B	883394	SOCK	75.0	2.52	0
48	880510	2	B	883395	SOCK	72.0	1.82	0
48	880510	2	B	883396	SOCK	70.0	2.06	0
48	880510	2	B	883397	SOCK	75.0	2.36	0
48	880510	3	B	883360	SOCK	78.0	3.08	0
48	880510	3	B	883361	SOCK	75.0	2.98	0
48	880510	3	B	883362	SOCK	78.0	2.78	0
48	880510	3	B	883363	SOCK	76.0	3.10	0
48	880510	3	B	883364	SOCK	72.0	2.44	0
48	880510	3	B	883365	SOCK	80.0	3.44	0
48	880510	3	B	883366	SOCK	78.0	3.28	0
48	880510	3	B	883367	SOCK	83.0	3.68	0
48	880510	3	B	883368	SOCK	70.0	2.56	0
48	880510	4	C	883408	SOCK	94.0	7.06	0
48	880510	4	C	883409	SOCK	75.0	3.34	0
48	880510	4	C	883410	SOCK	82.0	3.58	0
48	880510	4	C	883411	SOCK	79.0	3.62	0
48	880510	4	C	883412	SOCK	75.0	3.14	0
48	880510	4	C	883413	SOCK	77.0	2.88	0
48	880510	4	C	883414	SOCK	75.0	2.62	0
48	880510	4	C	883415	SOCK	68.0	2.20	0
48	880510	4	C	883416	SOCK	72.0	2.58	0
48	880510	4	C	883417	SOCK	74.0	2.74	0
48	880510	5	D	883398	SOCK	79.0	3.16	0
48	880510	5	D	883399	SOCK	70.0	2.48	0
48	880510	5	D	883400	SOCK	73.0	2.36	0
48	880510	5	D	883401	SOCK	75.0	3.08	0
48	880510	5	D	883402	SOCK	75.0	2.88	0
48	880510	5	D	883403	SOCK	78.0	3.52	0
48	880510	5	D	883404	SOCK	80.0	3.64	0
48	880510	5	D	883405	SOCK	70.0	2.58	0
48	880510	5	D	883406	SOCK	77.0	3.28	0
48	880510	5	D	883407	SOCK	64.0	1.88	0
49	880511	1	C	883444	SOCK	70.0	2.28	0
49	880511	1	C	883445	SOCK	76.0	2.60	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
49	880511	1	C	883446	SOCK	81.0	3.10	0
49	880511	1	C	883447	SOCK	73.0	2.52	0
49	880511	1	C	883448	SOCK	95.0	6.88	0
49	880511	1	C	883449	SOCK	76.0	2.98	0
49	880511	1	C	883450	SOCK	74.0	2.80	0
49	880511	1	C	883451	SOCK	69.0	1.96	0
49	880511	1	C	883452	SOCK	76.0	2.88	0
49	880511	1	C	883453	SOCK	71.0	2.16	0
49	880511	1	C	883454	SOCK	73.0	2.52	0
49	880511	2	E	884300	CHIN	74.0	3.86	0
49	880511	2	E	883369	SOCK	101.0	7.70	0
49	880511	2	E	883370	SOCK	77.0	3.14	0
49	880511	2	E	883371	SOCK	72.0	2.20	0
49	880511	2	E	883372	SOCK	78.0	3.40	0
49	880511	2	E	883373	SOCK	74.0	2.66	0
49	880511	2	E	883374	SOCK	75.0	2.74	0
49	880511	2	E	883375	SOCK	73.0	2.46	0
49	880511	2	E	883376	SOCK	76.0	2.88	0
49	880511	2	E	883377	SOCK	70.0	2.42	0
49	880511	3	D	883418	SOCK	71.0	2.42	0
49	880511	3	D	883419	SOCK	94.0	6.50	0
49	880511	3	D	883420	SOCK	72.0	2.40	0
49	880511	3	D	883421	SOCK	69.0	2.16	0
49	880511	3	D	883422	SOCK	72.0	2.46	0
49	880511	3	D	883423	SOCK	76.0	3.20	0
49	880511	3	D	883424	SOCK	74.0	2.66	0
49	880511	3	D	883425	SOCK	73.0	2.46	0
49	880511	3	D	883426	SOCK	71.0	2.76	0
49	880511	3	D	883427	SOCK	74.0	2.78	0
49	880511	4	B	883436	SOCK	78.0	3.06	0
49	880511	4	B	883437	SOCK	76.0	2.96	0
49	880511	4	B	883438	SOCK	72.0	2.50	0
49	880511	4	B	883439	SOCK	72.0	2.50	0
49	880511	4	B	883440	SOCK	69.0	2.14	0
49	880511	4	B	883441	SOCK	72.0	2.64	0
49	880511	4	B	883442	SOCK	70.0	2.34	0
49	880511	4	B	883443	SOCK	70.0	2.04	0
49	880511	5	A	883428	SOCK	99.0	7.42	0
49	880511	5	A	883429	SOCK	74.0	2.52	0
49	880511	5	A	883430	SOCK	75.0	2.62	0
49	880511	5	A	883431	SOCK	78.0	3.36	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
49	880511	5	A	883432	SOCK	71.0	2.64	0
49	880511	5	A	883433	SOCK	79.0	3.32	0
49	880511	5	A	883434	SOCK	71.0	2.46	0
49	880511	5	A	883435	SOCK	61.0	1.50	0
50	880513	1	C	883455	SOCK	65.0	1.72	0
50	880513	1	C	883456	SOCK	75.0	2.66	0
50	880513	1	C	883457	SOCK	87.0	4.10	0
50	880513	1	C	883458	SOCK	80.0	3.12	0
50	880513	1	C	883459	SOCK	76.0	3.06	0
50	880513	1	C	883460	SOCK	74.0	2.54	0
50	880513	1	C	883461	SOCK	84.0	4.06	0
50	880513	1	C	883462	SOCK	78.0	2.98	0
50	880513	1	C	883463	SOCK	76.0	2.84	0
50	880513	1	C	883464	SOCK	70.0	2.54	0
50	880513	2	D	883478	SOCK	79.0	3.22	0
50	880513	2	D	883479	SOCK	75.0	3.26	0
50	880513	2	D	883480	SOCK	81.0	3.88	0
50	880513	2	D	883481	SOCK	92.0	5.90	0
50	880513	2	D	883482	SOCK	79.0	2.94	0
50	880513	2	D	883483	SOCK	89.0	5.60	0
50	880513	2	D	883484	SOCK	73.0	2.32	0
50	880513	2	D	883485	SOCK	76.0	3.12	0
50	880513	2	D	883486	SOCK	74.0	2.46	0
50	880513	2	D	883487	SOCK	74.0	2.54	0
50	880513	3	B	883488	SOCK	100.0	7.88	0
50	880513	3	B	883489	SOCK	89.0	5.00	0
50	880513	3	B	883490	SOCK	75.0	2.90	0
50	880513	3	B	883491	SOCK	79.0	3.24	0
50	880513	3	B	883492	SOCK	84.0	4.12	0
50	880513	3	B	883493	SOCK	70.0	2.42	0
50	880513	3	B	883494	SOCK	73.0	2.28	0
50	880513	3	B	883495	SOCK	75.0	2.92	0
50	880513	3	B	883496	SOCK	78.0	2.76	0
50	880513	3	B	883497	SOCK	76.0	2.88	0
50	880513	4	E	883465	SOCK	75.0	2.72	0
50	880513	4	E	883466	SOCK	72.0	2.48	0
50	880513	4	E	883467	SOCK	77.0	2.52	0
50	880513	5	A	883468	SOCK	74.0	2.78	0
50	880513	5	A	883469	SOCK	79.0	3.08	0
50	880513	5	A	883470	SOCK	76.0	3.14	0
50	880513	5	A	883471	SOCK	86.0	4.58	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
50	880513	5	A	883472	SOCK	77.0	3.18	0
50	880513	5	A	883473	SOCK	84.0	4.64	0
50	880513	5	A	883474	SOCK	74.0	2.92	0
50	880513	5	A	883475	SOCK	79.0	3.42	0
50	880513	5	A	883476	SOCK	74.0	2.66	0
50	880513	5	A	883477	SOCK	74.0	2.64	0
51	880516	1	A	883498	SOCK	72.0	2.56	0
51	880516	1	A	883499	SOCK	72.0	2.76	0
51	880516	1	A	883500	SOCK	74.0	2.90	0
51	880516	1	A	883501	SOCK	78.0	3.30	0
51	880516	1	A	883502	SOCK	77.0	3.04	0
51	880516	1	A	883503	SOCK	72.0	2.60	0
51	880516	1	A	883504	SOCK	74.0	2.52	0
51	880516	1	A	883505	SOCK	70.0	2.08	0
51	880516	1	A	883506	SOCK	76.0	3.02	0
51	880516	1	A	883507	SOCK	67.0	2.00	0
51	880516	2	B	883518	SOCK	83.0	4.28	0
51	880516	2	B	883519	SOCK	77.0	3.08	0
51	880516	2	B	883520	SOCK	68.0	2.30	0
51	880516	2	B	883521	SOCK	76.0	2.84	0
51	880516	2	B	883522	SOCK	84.0	4.30	0
51	880516	2	B	883523	SOCK	70.0	2.66	0
51	880516	2	B	883524	SOCK	76.0	3.26	0
51	880516	2	B	883525	SOCK	77.0	3.24	0
51	880516	2	B	883526	SOCK	77.0	3.40	0
51	880516	2	B	883527	SOCK	73.0	2.70	0
51	880516	3	C	883528	SOCK	77.0	3.10	0
51	880516	3	C	883529	SOCK	73.0	2.82	0
51	880516	3	C	883530	SOCK	75.0	2.94	0
51	880516	3	C	883531	SOCK	77.0	3.26	0
51	880516	3	C	883532	SOCK	73.0	2.90	0
51	880516	3	C	883533	SOCK	67.0	2.04	0
51	880516	3	C	883534	SOCK	66.0	1.86	0
51	880516	3	C	883535	SOCK	69.0	2.30	0
51	880516	3	C	883536	SOCK	73.0	2.74	0
51	880516	3	C	883537	SOCK	74.0	2.84	0
51	880516	4	D	883538	SOCK	89.0	5.54	0
51	880516	4	D	883539	SOCK	75.0	2.94	0
51	880516	4	D	883540	SOCK	68.0	2.24	0
51	880516	4	D	883541	SOCK	70.0	2.70	0
51	880516	4	D	883542	SOCK	74.0	2.96	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
51	880516	4	D	883543	SOCK	71.0	2.48	0
51	880516	4	D	883544	SOCK	80.0	3.74	0
51	880516	4	D	883545	SOCK	76.0	3.18	0
51	880516	4	D	883546	SOCK	71.0	2.58	0
51	880516	4	D	883547	SOCK	75.0	3.00	0
51	880516	5	E	883508	SOCK	70.0	2.66	0
51	880516	5	E	883509	SOCK	96.0	6.98	0
51	880516	5	E	883510	SOCK	72.0	2.72	0
51	880516	5	E	883511	SOCK	82.0	4.06	0
51	880516	5	E	883512	SOCK	72.0	3.10	0
51	880516	5	E	883513	SOCK	72.0	2.76	0
51	880516	5	E	883514	SOCK	102.0	8.10	0
51	880516	5	E	883515	SOCK	83.0	4.42	0
51	880516	5	E	883516	SOCK	75.0	3.00	0
51	880516	5	E	883517	SOCK	77.0	3.44	0
52	880518	2	B	883558	SOCK	80.0	3.86	0
52	880518	2	B	883559	SOCK	84.0	4.32	0
52	880518	2	B	883560	SOCK	79.0	3.76	0
52	880518	2	B	883561	SOCK	84.0	4.62	0
52	880518	2	B	883562	SOCK	73.0	2.82	0
52	880518	2	B	883563	SOCK	78.0	3.60	0
52	880518	2	B	883564	SOCK	83.0	4.24	0
52	880518	2	B	883565	SOCK	82.0	3.86	0
52	880518	2	B	883566	SOCK	82.0	4.18	0
52	880518	2	B	883567	SOCK	71.0	3.18	0
52	880518	2	B	883568	SOCK	70.0	2.24	0
52	880518	3	A	883569	SOCK	95.0	6.92	0
52	880518	3	A	883570	SOCK	84.0	4.38	0
52	880518	3	A	883571	SOCK	70.0	2.56	0
52	880518	3	A	883572	SOCK	83.0	4.10	0
52	880518	3	A	883573	SOCK	72.0	2.82	0
52	880518	3	A	883574	SOCK	79.0	3.74	0
52	880518	3	A	883575	SOCK	83.0	4.40	0
52	880518	3	A	883576	SOCK	74.0	2.92	0
52	880518	3	A	883577	SOCK	69.0	2.30	0
52	880518	3	A	883578	SOCK	72.0	2.76	0
52	880518	4	C	883548	SOCK	115.0	13.50	0
52	880518	4	C	883549	SOCK	87.0	5.44	0
52	880518	4	C	883550	SOCK	87.0	4.84	0
52	880518	4	C	883551	SOCK	82.0	4.00	0
52	880518	4	C	883552	SOCK	79.0	3.52	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
52	880518	4	C	883553	SOCK	82.0	4.58	0
52	880518	4	C	883554	SOCK	74.0	2.98	0
52	880518	4	C	883555	SOCK	82.0	3.90	0
52	880518	4	C	883556	SOCK	85.0	4.68	0
52	880518	4	C	883557	SOCK	79.0	4.16	0
52	880518	5	D	883579	SOCK	80.0	3.82	0
53	880519	1	A	883580	SOCK	102.0	7.82	0
53	880519	1	A	883581	SOCK	101.0	8.18	0
53	880519	1	A	883582	SOCK	96.0	6.80	0
53	880519	1	A	883583	SOCK	101.0	7.88	0
53	880519	1	A	883584	SOCK	85.0	4.44	0
53	880519	1	A	883585	SOCK	96.0	6.52	0
53	880519	1	A	883586	SOCK	94.0	6.40	0
53	880519	1	A	883587	SOCK	81.0	3.64	0
53	880519	1	A	883588	SOCK	81.0	3.74	0
53	880519	1	A	883589	SOCK	83.0	3.78	0
53	880519	2	B	883590	SOCK	88.0	4.54	0
53	880519	2	B	883591	SOCK	86.0	4.56	0
53	880519	2	B	883592	SOCK	72.0	2.48	0
53	880519	2	B	883593	SOCK	75.0	2.68	0
53	880519	2	B	883594	SOCK	75.0	2.86	0
53	880519	2	B	883595	SOCK	83.0	4.16	0
53	880519	2	B	883596	SOCK	84.0	4.38	0
53	880519	2	B	883597	SOCK	76.0	2.86	0
53	880519	2	B	883598	SOCK	74.0	3.00	0
53	880519	2	B	883599	SOCK	71.0	2.26	0
53	880519	3	E	883600	SOCK	37.0	0.26	0
53	880519	3	E	883601	SOCK	83.0	4.44	0
53	880519	3	E	883602	SOCK	85.0	4.34	0
53	880519	3	E	883603	SOCK	85.0	4.94	0
53	880519	3	E	883604	SOCK	89.0	5.08	0
53	880519	3	E	883605	SOCK	79.0	3.20	0
53	880519	3	E	883606	SOCK	78.0	3.30	0
53	880519	3	E	883607	SOCK	85.0	4.12	0
53	880519	3	E	883608	SOCK	81.0	4.04	0
53	880519	3	E	883609	SOCK	83.0	3.92	0
53	880519	3	E	883610	SOCK	78.0	3.60	0
53	880519	4	D	883611	SOCK	79.0	3.78	0
53	880519	4	D	883612	SOCK	88.0	5.88	0
53	880519	4	D	883613	SOCK	77.0	3.08	0
53	880519	4	D	883614	SOCK	71.0	2.34	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
53	880519	4	D	883615	SOCK	81.0	3.90	0
53	880519	4	D	883616	SOCK	75.0	2.92	0
53	880519	4	D	883617	SOCK	78.0	2.98	0
53	880519	4	D	883618	SOCK	76.0	3.00	0
53	880519	4	D	883619	SOCK	71.0	2.44	0
53	880519	4	D	883620	SOCK	78.0	3.28	0
53	880519	5	C	883621	SOCK	89.0	5.04	0
53	880519	5	C	883622	SOCK	87.0	4.80	0
53	880519	5	C	883623	SOCK	89.0	4.66	0
53	880519	5	C	883624	SOCK	80.0	3.24	0
53	880519	5	C	883625	SOCK	80.0	3.70	0
53	880519	5	C	883626	SOCK	76.0	2.98	0
53	880519	5	C	883627	SOCK	80.0	3.82	0
53	880519	5	C	883628	SOCK	85.0	4.16	0
53	880519	5	C	883629	SOCK	85.0	4.36	0
53	880519	5	C	883630	SOCK	76.0	3.36	0
53	880519	5	C	883631	SOCK	71.0	2.66	0
54	880519	1	D	883632	SOCK	75.0	2.80	0
54	880525	1	D	883633	SOCK	69.0	2.34	0
54	880525	1	D	883634	SOCK	82.0	4.20	0
54	880525	1	D	883635	SOCK	84.0	4.36	0
54	880525	1	D	883636	SOCK	84.0	4.00	0
54	880525	1	D	883637	SOCK	73.0	2.70	0
54	880525	1	D	883638	SOCK	70.0	2.74	0
54	880525	1	D	883639	SOCK	80.0	3.34	0
54	880525	1	D	883640	SOCK	86.0	3.44	0
54	880525	1	D	883641	SOCK	70.0	2.36	0
54	880525	2	E	883642	SOCK	99.0	7.74	0
54	880525	2	E	883643	SOCK	105.0	9.22	0
54	880525	2	E	883644	SOCK	87.0	5.20	0
54	880525	2	E	883645	SOCK	85.0	4.04	0
54	880525	2	E	883646	SOCK	81.0	4.30	0
54	880525	2	E	883647	SOCK	79.0	4.02	0
54	880525	2	E	883648	SOCK	80.0	3.90	0
54	880525	2	E	883649	SOCK	75.0	3.50	0
54	880525	2	E	883650	SOCK	78.0	3.26	0
54	880525	2	E	883651	SOCK	72.0	2.78	0
54	880525	2	E	883652	SOCK	75.0	3.28	0
54	880525	3	A	883653	SOCK	75.0	2.50	0
54	880525	3	A	883654	SOCK	80.0	3.34	0
54	880525	3	A	883655	SOCK	85.0	4.14	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
54	880525	4	C	883656	SOCK	110.0	9.96	0
54	880525	4	C	883657	SOCK	82.0	4.16	0
54	880525	4	C	883658	SOCK	76.0	2.98	0
54	880525	4	C	883659	SOCK	74.0	2.96	0
54	880525	4	C	883660	SOCK	77.0	2.94	0
54	880525	4	C	883661	SOCK	88.0	4.30	0
54	880525	4	C	883662	SOCK	81.0	3.96	0
54	880525	4	C	883663	SOCK	78.0	3.12	0
54	880525	4	C	883664	SOCK	86.0	3.74	0
54	880525	4	C	883665	SOCK	93.0	4.72	0
54	880525	4	C	883666	SOCK	73.0	2.72	0
54	880525	4	C	883667	SOCK	70.0	2.44	0
54	880525	4	C	883668	SOCK	72.0	2.52	0
54	880525	4	C	883669	SOCK	74.0	2.70	0
54	880525	4	C	883670	SOCK	78.0	3.02	0
54	880525	4	C	883671	SOCK	77.0	3.22	0
54	880525	4	C	883672	SOCK	75.0	2.44	0
54	880525	5	B	883673	SOCK	82.0	3.70	0
54	880525	5	B	883674	SOCK	82.0	4.00	0
54	880525	5	B	883675	SOCK	78.0	2.92	0
54	880525	5	B	883676	SOCK	72.0	3.08	0
54	880525	5	B	883677	SOCK	79.0	3.20	0
54	880525	5	B	883678	SOCK	83.0	3.98	0
54	880525	5	B	883679	SOCK	80.0	3.18	0
54	880525	5	B	883680	SOCK	71.0	2.18	0
54	880525	5	B	883681	SOCK	61.0	1.40	0
54	880525	5	B	883682	SOCK	75.0	2.44	0
55	880530	1	A	883707	SOCK	99.0	7.10	0
55	880530	1	A	883708	SOCK	75.0	2.68	0
55	880530	1	A	883709	SOCK	68.0	2.02	0
55	880530	1	A	883710	SOCK	63.0	1.46	0
55	880530	2	B	883703	SOCK	99.0	7.16	0
55	880530	2	B	883704	SOCK	78.0	3.36	0
55	880530	2	B	883705	SOCK	98.0	7.90	0
55	880530	2	B	883706	SOCK	79.0	3.26	0
55	880530	3	C	884269	SOCK	86.0	4.38	0
55	880530	3	C	884270	SOCK	76.0	3.36	0
55	880530	3	C	884271	SOCK	81.0	4.08	0
55	880530	3	C	884272	SOCK	75.0	2.90	0
55	880530	3	C	884273	SOCK	75.0	2.84	0
55	880530	3	C	884274	SOCK	80.0	3.78	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
55	880530	3	C	884275	SOCK	78.0	3.58	0
55	880530	3	C	884276	SOCK	80.0	3.62	0
55	880530	3	C	884277	SOCK	83.0	4.04	0
55	880530	3	C	884278	SOCK	94.0	5.34	0
55	880530	4	D	883684	SOCK	86.0	4.78	0
55	880530	4	D	883685	SOCK	84.0	3.78	0
55	880530	4	D	883686	SOCK	86.0	4.78	0
55	880530	4	D	883687	SOCK	78.0	3.30	0
55	880530	4	D	883688	SOCK	83.0	3.78	0
55	880530	4	D	883689	SOCK	70.0	2.44	0
55	880530	4	D	883690	SOCK	81.0	3.74	0
55	880530	4	D	883691	SOCK	80.0	3.86	0
55	880530	4	D	883692	SOCK	81.0	3.60	0
55	880530	4	D	883693	SOCK	80.0	3.22	0
55	880530	5	E	883683	SOCK	81.0	3.56	0
55	880530	6	A	883694	SOCK	75.0	2.78	0
55	880530	6	A	883695	SOCK	83.0	3.86	0
55	880530	6	A	883696	SOCK	97.0	7.36	0
55	880530	6	A	883697	SOCK	71.0	2.54	0
55	880530	6	A	883698	SOCK	81.0	3.96	0
55	880530	6	A	883699	SOCK	68.0	1.98	0
55	880530	6	A	883700	SOCK	80.0	3.42	0
55	880530	6	A	883701	SOCK	74.0	2.86	0
55	880530	6	A	883702	SOCK	70.0	2.18	0
56	880601	1	B	884248	SOCK	91.0	5.32	0
56	880601	1	B	884249	SOCK	74.0	2.90	0
56	880601	1	B	884250	SOCK	85.0	4.74	0
56	880601	1	B	884251	SOCK	77.0	3.06	0
56	880601	1	B	884252	SOCK	75.0	3.04	0
56	880601	1	B	884253	SOCK	86.0	4.92	0
56	880601	1	B	884254	SOCK	81.0	3.76	0
56	880601	1	B	884255	SOCK	73.0	2.80	0
56	880601	1	B	884256	SOCK	79.0	3.48	0
56	880601	1	B	884257	SOCK	72.0	2.62	0
56	880601	1	B	884258	SOCK	72.0	2.60	0
56	880601	2	C	884279	SOCK	89.0	5.36	0
56	880601	2	C	884280	SOCK	86.0	4.84	0
56	880601	2	C	884281	SOCK	80.0	3.68	0
56	880601	2	C	884282	SOCK	77.0	3.08	0
56	880601	2	C	884283	SOCK	85.0	5.34	0
56	880601	2	C	884284	SOCK	83.0	4.68	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
56	880601	2	C	884285	SOCK	68.0	2.30	0
56	880601	2	C	884286	SOCK	87.0	5.08	0
56	880601	2	C	884287	SOCK	88.0	5.00	0
56	880601	2	C	884288	SOCK	80.0	3.74	0
56	880601	2	C	884289	SOCK	81.0	4.00	0
56	880601	2	C	884290	SOCK	73.0	3.46	0
56	880601	3	D	884259	SOCK	74.0	2.92	0
56	880601	3	D	884260	SOCK	93.0	6.06	0
56	880601	3	D	884261	SOCK	74.0	3.34	0
56	880601	3	D	884262	SOCK	85.0	4.50	0
56	880601	3	D	884263	SOCK	84.0	4.70	0
56	880601	3	D	884264	SOCK	75.0	3.18	0
56	880601	3	D	884265	SOCK	82.0	3.82	0
56	880601	3	D	884266	SOCK	73.0	2.94	0
56	880601	3	D	884267	SOCK	76.0	3.20	0
56	880601	3	D	884268	SOCK	77.0	3.66	0
56	880601	5	A	884291	SOCK	78.0	3.50	0
56	880601	5	A	884292	SOCK	75.0	3.04	0
56	880601	5	A	884293	SOCK	84.0	4.56	0
56	880601	5	A	884294	SOCK	83.0	4.30	0
56	880601	5	A	884295	SOCK	72.0	2.34	0
56	880601	5	A	884296	SOCK	83.0	4.06	0
56	880601	5	A	884297	SOCK	85.0	4.42	0
56	880601	5	A	884298	SOCK	72.0	2.56	0
56	880601	5	A	884299	SOCK	71.0	2.76	0
57	880603	1	A	884134	SOCK	81.0	3.76	0
57	880603	1	A	884135	SOCK	82.0	3.86	0
57	880603	1	A	884136	SOCK	72.0	2.36	0
57	880603	1	A	884137	SOCK	81.0	3.72	0
57	880603	1	A	884138	SOCK	73.0	2.50	0
57	880603	1	A	884139	SOCK	69.0	2.02	0
57	880603	2	B	884132	SOCK	96.0	6.76	0
57	880603	2	B	884133	SOCK	85.0	4.40	0
57	880603	3	E	884162	SOCK	85.0	5.30	0
57	880603	3	E	884163	SOCK	82.0	4.96	0
57	880603	3	E	884164	SOCK	89.0	6.02	0
57	880603	3	E	884165	SOCK	98.0	8.76	0
57	880603	3	E	884166	SOCK	88.0	5.42	0
57	880603	3	E	884167	SOCK	91.0	6.56	0
57	880603	3	E	884168	SOCK	82.0	4.46	0
57	880603	3	E	884169	SOCK	86.0	5.42	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
57	880603	3	E	884170	SOCK	83.0	4.52	0
57	880603	3	E	884171	SOCK	84.0	4.42	0
57	880603	4	C	884140	SOCK	83.0	4.20	0
57	880603	4	C	884141	SOCK	89.0	5.56	0
57	880603	4	C	884142	SOCK	74.0	2.98	0
57	880603	4	C	884143	SOCK	83.0	4.22	0
57	880603	4	C	884144	SOCK	84.0	3.68	0
57	880603	4	C	884145	SOCK	88.0	5.24	0
57	880603	4	C	884146	SOCK	91.0	6.12	0
57	880603	4	C	884147	SOCK	83.0	4.66	0
57	880603	4	C	884148	SOCK	73.0	2.98	0
57	880603	4	C	884149	SOCK	80.0	3.94	0
57	880603	5	D	884150	SOCK	88.0	5.48	0
57	880603	5	D	884151	SOCK	91.0	6.64	0
57	880603	5	D	884152	SOCK	82.0	4.64	0
57	880603	5	D	884153	SOCK	80.0	3.72	0
57	880603	5	D	884154	SOCK	85.0	5.26	0
57	880603	5	D	884155	SOCK	79.0	4.04	0
57	880603	5	D	884156	SOCK	82.0	4.58	0
57	880603	5	D	884157	SOCK	85.0	5.30	0
57	880603	5	D	884158	SOCK	79.0	3.78	0
57	880603	5	D	884159	SOCK	90.0	6.44	0
57	880603	5	D	884160	SOCK	92.0	6.36	0
57	880603	5	D	884161	SOCK	84.0	5.10	0
58	880607	3	C	884172	SOCK	111.0	11.22	0
58	880607	3	C	884173	SOCK	113.0	10.72	0
58	880607	3	C	884174	SOCK	86.0	4.68	0
58	880607	5	D	884302	CHIN	109.0	10.16	0
58	880607	5	D	884175	SOCK	108.0	11.46	0
58	880607	5	D	884176	SOCK	101.0	8.70	0
58	880607	5	D	884177	SOCK	108.0	10.44	0
58	880607	5	D	884178	SOCK	86.0	5.00	0
58	880607	5	D	884179	SOCK	94.0	7.16	0
58	880607	5	D	884180	SOCK	89.0	5.00	0
59	880608	1	B	884219	SOCK	101.0	8.42	0
59	880608	1	B	884220	SOCK	75.0	3.86	0
59	880608	1	B	884221	SOCK	78.0	3.74	0
59	880608	1	B	884222	SOCK	81.0	4.36	0
59	880608	1	B	884223	SOCK	76.0	3.66	0
59	880608	1	B	884224	SOCK	79.0	3.94	0
59	880608	1	B	884225	SOCK	86.0	5.26	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
59	880608	2	A	884230	SOCK	79.0	4.32	0
59	880608	2	A	884231	SOCK	103.0	9.42	0
59	880608	2	A	884232	SOCK	83.0	4.80	0
59	880608	2	A	884233	SOCK	90.0	6.04	0
59	880608	2	A	884234	SOCK	79.0	4.58	0
59	880608	2	A	884235	SOCK	72.0	3.12	0
59	880608	2	A	884236	SOCK	83.0	4.84	0
59	880608	2	A	884237	SOCK	80.0	4.46	0
59	880608	2	A	884238	SOCK	78.0	3.70	0
59	880608	2	A	884239	SOCK	59.0	1.68	0
59	880608	3	C	884304	CHIN	70.0	2.74	0
59	880608	3	C	884305	CHUM	54.0	0.98	0
59	880608	3	C	884240	SOCK	84.0	4.74	0
59	880608	3	C	884241	SOCK	94.0	7.38	0
59	880608	3	C	884242	SOCK	89.0	6.08	0
59	880608	3	C	884243	SOCK	80.0	4.22	0
59	880608	3	C	884244	SOCK	79.0	4.36	0
59	880608	3	C	884245	SOCK	99.0	8.78	0
59	880608	3	C	884246	SOCK	86.0	5.20	0
59	880608	3	C	884247	SOCK	77.0	3.66	0
59	880608	4	D	884303	CHUM	50.0	0.72	0
59	880608	4	D	884201	SOCK	80.0	4.30	0
59	880608	4	D	884202	SOCK	77.0	4.18	0
59	880608	4	D	884203	SOCK	81.0	4.88	0
59	880608	4	D	884204	SOCK	81.0	4.84	0
59	880608	4	D	884205	SOCK	74.0	3.74	0
59	880608	4	D	884206	SOCK	82.0	4.64	0
59	880608	4	D	884207	SOCK	64.0	1.82	0
59	880608	4	D	884208	SOCK	55.0	1.02	0
59	880608	4	D	884209	SOCK	100.0	8.76	0
59	880608	4	D	884210	SOCK	83.0	5.26	0
59	880608	4	D	884211	SOCK	86.0	5.70	0
59	880608	4	D	884212	SOCK	88.0	6.24	0
59	880608	4	D	884213	SOCK	91.0	6.98	0
59	880608	4	D	884214	SOCK	79.0	4.16	0
59	880608	4	D	884215	SOCK	82.0	4.60	0
59	880608	4	D	884216	SOCK	84.0	4.90	0
59	880608	4	D	884217	SOCK	77.0	3.74	0
59	880608	5	E	884226	SOCK	91.0	7.12	0
59	880608	5	E	884227	SOCK	77.0	4.02	0
59	880608	5	E	884228	SOCK	85.0	5.62	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
59	880608	5	E	884229	SOCK	80.0	4.64	0
60	880613	1	A	883711	SOCK	94.0	6.82	0
60	880613	1	A	883712	SOCK	89.0	5.54	0
60	880613	1	A	883713	SOCK	77.0	3.16	0
60	880613	1	A	883714	SOCK	90.0	5.28	0
60	880613	1	A	883715	SOCK	84.0	4.30	0
60	880613	1	A	883716	SOCK	63.0	2.24	0
60	880613	2	B	883717	SOCK	85.0	5.00	0
60	880613	2	B	883718	SOCK	82.0	4.18	0
60	880613	2	B	883719	SOCK	85.0	5.10	0
60	880613	2	B	883720	SOCK	84.0	4.28	0
60	880613	2	B	883721	SOCK	80.0	3.86	0
60	880613	3	C	883722	SOCK	84.0	4.48	0
60	880613	3	C	883723	SOCK	86.0	6.62	0
60	880613	3	C	883724	SOCK	88.0	6.10	0
60	880613	3	C	883725	SOCK	87.0	4.94	0
60	880613	3	C	883726	SOCK	90.0	5.54	0
60	880613	3	C	883727	SOCK	83.0	4.48	0
60	880613	3	C	883728	SOCK	85.0	5.32	0
60	880613	3	C	883729	SOCK	87.0	5.66	0
60	880613	3	C	883730	SOCK	82.0	4.88	0
60	880613	3	C	883731	SOCK	80.0	4.06	0
60	880613	3	C	883732	SOCK	82.0	4.30	0
60	880613	4	D	883733	SOCK	85.0	5.28	0
60	880613	4	D	883734	SOCK	87.0	4.94	0
60	880613	4	D	883735	SOCK	86.0	5.14	0
60	880613	4	D	883736	SOCK	87.0	5.20	0
60	880613	5	E	883737	SOCK	79.0	3.28	0
60	880613	5	E	883738	SOCK	87.0	4.90	0
61	880615	1	A	883742	SOCK	83.0	3.76	0
61	880615	1	A	883743	SOCK	80.0	3.44	0
61	880615	1	A	883744	SOCK	79.0	3.26	0
61	880615	1	A	883745	SOCK	78.0	3.56	0
61	880615	1	A	883746	SOCK	69.0	1.88	0
61	880615	1	A	883747	SOCK	52.0	0.94	0
61	880615	1	A	883748	SOCK	48.0	0.64	0
61	880615	1	A	883749	SOCK	50.0	0.84	0
61	880615	1	A	883750	SOCK	43.0	0.48	0
61	880615	1	A	883751	SOCK	44.0	0.60	0
61	880615	2	B	883739	SOCK	52.0	0.84	0
61	880615	2	B	883740	SOCK	49.0	0.70	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
61	880615	2	B	883741	SOCK	86.0	4.86	0
61	880615	3	C	883752	SOCK	90.0	4.78	0
61	880615	3	C	883753	SOCK	86.0	4.76	0
61	880615	3	C	883754	SOCK	95.0	6.60	0
61	880615	3	C	883755	SOCK	85.0	4.82	0
61	880615	3	C	883756	SOCK	92.0	6.32	0
61	880615	3	C	883757	SOCK	78.0	3.86	0
61	880615	3	C	883758	SOCK	80.0	4.66	0
61	880615	3	C	883759	SOCK	85.0	4.60	0
61	880615	3	C	883760	SOCK	86.0	4.88	0
61	880615	3	C	883761	SOCK	80.0	3.60	0
61	880615	4	D	883762	SOCK	89.0	5.08	0
61	880615	4	D	883763	SOCK	78.0	3.54	0
61	880615	4	D	883764	SOCK	87.0	4.10	0
62	880620	1	A	883765	SOCK	93.0	6.18	0
62	880620	1	A	883766	SOCK	58.0	1.32	0
62	880620	1	A	883767	SOCK	61.0	1.50	0
62	880620	1	A	883768	SOCK	50.0	0.86	0
62	880620	1	A	883769	SOCK	44.0	0.56	0
62	880620	1	A	883770	SOCK	47.0	0.74	0
62	880620	2	B	884301	CHIN	79.0	3.68	0
62	880620	3	C	883771	SOCK	96.0	7.50	0
62	880620	3	C	883772	SOCK	90.0	5.52	0
62	880620	3	C	883773	SOCK	92.0	5.82	0
62	880620	3	C	883774	SOCK	85.0	4.78	0
62	880621	5	E	883775	SOCK	93.0	5.52	0
62	880621	5	E	883776	SOCK	54.0	1.00	0
63	880624	1	A	883801	SOCK	90.0	5.00	0
63	880624	1	A	883802	SOCK	95.0	7.28	0
63	880624	1	A	883803	SOCK	92.0	5.98	0
63	880624	1	A	883804	SOCK	93.0	6.60	0
63	880624	1	A	883805	SOCK	87.0	4.90	0
63	880624	1	A	883806	SOCK	88.0	5.48	0
63	880624	1	A	883807	SOCK	84.0	5.54	0
63	880624	1	A	883808	SOCK	82.0	4.02	0
63	880624	1	A	883809	SOCK	50.0	0.94	0
63	880624	1	A	883810	SOCK	54.0	1.04	0
63	880624	2	B	883788	SOCK	98.0	7.00	0
63	880624	2	B	883789	SOCK	90.0	6.52	0
63	880624	2	B	883790	SOCK	88.0	5.22	0
63	880624	2	B	883791	SOCK	91.0	6.10	0

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63	880624	2	B	883792	SOCK	84.0	4.12	0
63	880624	2	B	883793	SOCK	88.0	4.62	0
63	880624	2	B	883794	SOCK	73.0	3.14	0
63	880624	2	B	883795	SOCK	53.0	1.22	0
63	880624	2	B	883796	SOCK	55.0	1.12	0
63	880624	2	B	883797	SOCK	56.0	1.28	0
63	880624	2	B	883798	SOCK	53.0	1.10	0
63	880624	2	B	883799	SOCK	54.0	1.10	0
63	880624	2	B	883800	SOCK	50.0	0.88	0
63	880624	3	C	883777	SOCK	87.0	4.82	0
63	880624	3	C	883778	SOCK	83.0	4.34	0
63	880624	3	C	883779	SOCK	74.0	2.54	0
63	880624	3	C	883780	SOCK	54.0	1.06	0
63	880624	3	C	883781	SOCK	50.0	0.84	0
63	880624	3	C	883782	SOCK	51.0	0.84	0
63	880624	3	C	883783	SOCK	55.0	1.08	0
63	880624	3	C	883784	SOCK	53.0	1.02	0
63	880624	3	C	883785	SOCK	52.0	1.04	0
63	880624	3	C	883786	SOCK	53.0	0.96	0
63	880624	3	C	883787	SOCK	53.0	0.96	0
63	880624	4	D	883811	SOCK	118.0	10.02	0
63	880624	4	D	883812	SOCK	118.0	9.20	0
63	880624	4	D	883813	SOCK	68.0	1.96	0
63	880624	4	D	883814	SOCK	60.0	1.34	0
63	880624	4	D	883815	SOCK	58.0	1.54	0
63	880624	4	D	883816	SOCK	47.0	0.56	0
63	880624	4	D	883817	SOCK	63.0	1.90	0
64	880627	1	A	883841	SOCK	91.0	7.32	0
64	880627	1	A	883842	SOCK	100.0	9.12	0
64	880627	1	A	883843	SOCK	120.0	13.88	0
64	880627	1	A	883844	SOCK	100.0	9.08	0
64	880627	1	A	883845	SOCK	95.0	7.88	0
64	880627	1	A	883846	SOCK	84.0	5.24	0
64	880627	1	A	883847	SOCK	77.0	3.90	0
64	880627	1	A	883848	SOCK	85.0	5.14	0
64	880627	1	A	883849	SOCK	74.0	3.52	0
64	880627	1	A	883850	SOCK	72.0	3.48	0
64	880627	1	A	883851	SOCK	55.0	1.28	0
64	880627	1	A	883852	SOCK	60.0	1.82	0
64	880627	1	A	883853	SOCK	55.0	1.40	0
64	880627	1	A	883854	SOCK	54.0	1.20	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
64	880627	1	A	883855	SOCK	53.0	1.22	0
64	880627	1	A	883856	SOCK	54.0	1.14	0
64	880627	1	A	883857	SOCK	50.0	1.16	0
64	880627	1	A	883858	SOCK	50.0	1.02	0
64	880627	1	A	883859	SOCK	50.0	1.12	0
64	880627	1	A	883860	SOCK	51.0	1.12	0
64	880627	1	A	883861	SOCK	52.0	1.12	0
64	880627	2	B	883821	SOCK	105.0	9.46	0
64	880627	2	B	883822	SOCK	96.0	8.26	0
64	880627	2	B	883823	SOCK	92.0	6.52	0
64	880627	2	B	883824	SOCK	76.0	3.38	0
64	880627	2	B	883825	SOCK	72.0	3.28	0
64	880627	2	B	883826	SOCK	67.0	2.70	0
64	880627	2	B	883827	SOCK	78.0	4.12	0
64	880627	2	B	883828	SOCK	55.0	1.30	0
64	880627	2	B	883829	SOCK	56.0	1.58	0
64	880627	2	B	883830	SOCK	54.0	1.24	0
64	880627	2	B	883831	SOCK	53.0	0.98	0
64	880627	2	B	883832	SOCK	51.0	1.10	0
64	880627	2	B	883833	SOCK	50.0	1.04	0
64	880627	2	B	883834	SOCK	52.0	1.08	0
64	880627	2	B	883835	SOCK	50.0	1.00	0
64	880627	2	B	883836	SOCK	53.0	1.10	0
64	880627	3	C	883837	SOCK	94.0	6.40	0
64	880627	3	C	883838	SOCK	88.0	5.20	0
64	880627	3	C	883839	SOCK	52.0	1.40	0
64	880627	3	C	883840	SOCK	74.0	2.40	0
64	880627	4	D	883818	SOCK	89.0	5.84	0
64	880627	4	D	883819	SOCK	116.0	13.84	0
64	880627	4	D	883820	SOCK	108.0	11.26	0
65	880629	1	A	883879	SOCK	90.0	5.22	0
65	880629	1	A	883880	SOCK	55.0	1.08	0
65	880629	1	A	883881	SOCK	52.0	0.86	0
65	880629	1	A	883882	SOCK	49.0	0.72	0
65	880629	2	B	883872	SOCK	87.0	5.28	0
65	880629	2	B	883873	SOCK	55.0	1.00	0
65	880629	2	B	883874	SOCK	55.0	1.04	0
65	880629	2	B	883875	SOCK	62.0	1.74	0
65	880629	2	B	883876	SOCK	54.0	1.10	0
65	880629	2	B	883877	SOCK	48.0	0.76	0
65	880629	2	B	883878	SOCK	48.0	0.64	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
65	880629	3	C	883862	SOCK	57.0	1.20	0
65	880629	3	C	883863	SOCK	53.0	1.10	0
65	880629	3	C	883864	SOCK	59.0	1.48	0
65	880629	3	C	883865	SOCK	54.0	1.06	0
65	880629	3	C	883866	SOCK	50.0	0.80	0
65	880629	3	C	883867	SOCK	48.0	0.82	0
65	880629	3	C	883868	SOCK	51.0	0.90	0
65	880629	3	C	883869	SOCK	49.0	0.82	0
65	880629	3	C	883870	SOCK	48.0	0.66	0
65	880629	3	C	883871	SOCK	48.0	0.76	0
66	880704	1	A	884181	SOCK	68.0	2.02	0
66	880704	1	A	884182	SOCK	53.0	0.94	0
66	880704	1	A	884183	SOCK	54.0	1.04	0
66	880704	1	A	884184	SOCK	65.0	1.50	0
66	880704	1	A	884185	SOCK	47.0	0.60	0
66	880704	1	A	884186	SOCK	50.0	0.74	0
66	880704	1	A	884187	SOCK	48.0	0.62	0
66	880704	1	A	884188	SOCK	47.0	0.60	0
66	880704	1	A	884189	SOCK	48.0	0.64	0
66	880704	1	A	884190	SOCK	47.0	0.56	0
66	880704	2	B	884191	SOCK	57.0	1.32	0
66	880704	2	B	884192	SOCK	54.0	0.98	0
66	880704	2	B	884193	SOCK	50.0	0.86	0
66	880704	2	B	884194	SOCK	53.0	0.92	0
66	880704	2	B	884195	SOCK	48.0	0.64	0
66	880704	2	B	884196	SOCK	48.0	0.64	0
66	880704	3	C	884197	SOCK	109.0	10.40	0
66	880704	3	C	884198	SOCK	58.0	1.36	0
66	880704	3	C	884199	SOCK	52.0	0.92	0
66	880704	3	C	884200	SOCK	53.0	0.82	0
67	880707	1	A	883901	SOCK	68.0	2.02	0
67	880707	1	A	883902	SOCK	64.0	1.62	0
67	880707	1	A	883903	SOCK	64.0	1.66	0
67	880707	1	A	883904	SOCK	66.0	1.78	0
67	880707	1	A	883905	SOCK	67.0	2.14	0
67	880707	1	A	883906	SOCK	68.0	2.32	0
67	880707	1	A	883907	SOCK	72.0	2.52	0
67	880707	1	A	883908	SOCK	56.0	1.20	0
67	880707	1	A	883909	SOCK	57.0	1.14	0
67	880707	1	A	883910	SOCK	63.0	1.62	0
67	880707	1	A	883911	SOCK	53.0	1.14	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
67	880707	1	A	883912	SOCK	56.0	1.24	0
67	880707	2	B	883925	SOCK	69.0	2.38	0
67	880707	2	B	883926	SOCK	73.0	2.26	0
67	880707	2	B	883927	SOCK	53.0	1.34	0
67	880707	2	B	883928	SOCK	68.0	2.32	0
67	880707	2	B	883929	SOCK	65.0	2.08	0
67	880707	2	B	883930	SOCK	62.0	1.62	0
67	880707	2	B	883931	SOCK	65.0	1.86	0
67	880707	2	B	883932	SOCK	57.0	1.44	0
67	880707	2	B	883933	SOCK	59.0	1.56	0
67	880707	2	B	883934	SOCK	60.0	1.76	0
67	880707	2	B	883935	SOCK	53.0	1.08	0
67	880707	3	C	883913	SOCK	98.0	7.42	0
67	880707	3	C	883914	SOCK	65.0	2.36	0
67	880707	3	C	883915	SOCK	63.0	1.84	0
67	880707	3	C	883916	SOCK	64.0	1.90	0
67	880707	3	C	883917	SOCK	54.0	1.14	0
67	880707	3	C	883918	SOCK	62.0	1.82	0
67	880707	3	C	883919	SOCK	60.0	1.48	0
67	880707	3	C	883920	SOCK	59.0	1.54	0
67	880707	3	C	883921	SOCK	64.0	2.16	0
67	880707	3	C	883922	SOCK	57.0	1.24	0
67	880707	3	C	883923	SOCK	48.0	0.78	0
67	880707	3	C	883924	SOCK	50.0	0.84	0
67	880707	4	D	883883	SOCK	83.0	4.32	0
67	880707	4	D	883884	SOCK	64.0	1.66	0
67	880707	4	D	883885	SOCK	65.0	1.94	0
67	880707	4	D	883886	SOCK	78.0	3.26	0
67	880707	4	D	883887	SOCK	61.0	1.62	0
67	880707	4	D	883888	SOCK	58.0	1.16	0
67	880707	4	D	883889	SOCK	58.0	1.20	0
67	880707	4	D	883890	SOCK	55.0	1.04	0
67	880707	4	D	883891	SOCK	56.0	1.26	0
67	880707	5	E	883892	SOCK	67.0	2.60	0
67	880707	5	E	883893	SOCK	60.0	1.74	0
67	880707	5	E	883894	SOCK	61.0	1.68	0
67	880707	5	E	883895	SOCK	59.0	1.62	0
67	880707	5	E	883896	SOCK	62.0	1.62	0
67	880707	5	E	883897	SOCK	63.0	1.96	0
67	880707	5	E	883898	SOCK	60.0	1.42	0
67	880707	5	E	883899	SOCK	55.0	1.16	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
67	880707	5	E	883900	SOCK	58.0	1.38	0
68	880711	1	A	883946	SOCK	53.0	0.92	0
68	880711	1	A	883947	SOCK	57.0	1.28	0
68	880711	2	B	883938	SOCK	89.0	5.08	0
68	880711	2	B	883939	SOCK	55.0	1.34	0
68	880711	2	B	883940	SOCK	65.0	2.16	0
68	880711	2	B	883941	SOCK	58.0	1.40	0
68	880711	2	B	883942	SOCK	57.0	1.32	0
68	880711	2	B	883943	SOCK	52.0	1.06	0
68	880711	2	B	883944	SOCK	55.0	1.06	0
68	880711	2	B	883945	SOCK	52.0	1.00	0
68	880711	3	C	883936	SOCK	70.0	2.34	0
68	880711	3	C	883937	SOCK	60.0	1.48	0
68	880711	4	D	883948	SOCK	56.0	1.32	0
68	880711	4	D	883949	SOCK	60.0	1.50	0
68	880711	5	E	883950	SOCK	65.0	1.84	0
68	880711	5	E	883951	SOCK	59.0	1.40	0
68	880711	5	E	883952	SOCK	66.0	1.90	0
68	880711	5	E	883953	SOCK	63.0	1.68	0
68	880711	5	E	883954	SOCK	67.0	2.10	0
68	880711	5	E	883955	SOCK	53.0	1.08	0
68	880711	5	E	883956	SOCK	55.0	1.12	0
68	880711	5	E	883957	SOCK	56.0	1.20	0
69	880714	1	E	883959	SOCK	68.0	2.38	0
69	880714	1	E	883960	SOCK	54.0	1.08	0
69	880714	2	D	883964	SOCK	63.0	1.72	0
69	880714	2	D	883965	SOCK	60.0	1.38	0
69	880714	3	C	883966	SOCK	100.0	8.56	0
69	880714	3	C	883967	SOCK	88.0	5.58	0
69	880714	4	B	883961	SOCK	62.0	1.52	0
69	880714	4	B	883962	SOCK	58.0	1.40	0
69	880714	4	B	883963	SOCK	53.0	0.98	0
69	880714	5	A	883958	SOCK	59.0	1.56	0
70	880718	1	A	883980	SOCK	57.0	1.12	0
70	880718	1	A	883981	SOCK	68.0	2.38	0
70	880718	1	A	883982	SOCK	64.0	1.92	0
70	880718	1	A	883983	SOCK	75.0	3.42	0
70	880718	1	A	883984	SOCK	65.0	2.02	0
70	880718	1	A	883985	SOCK	61.0	2.04	0
70	880718	1	A	883986	SOCK	58.0	1.48	0
70	880718	1	A	883987	SOCK	64.0	1.90	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
70	880718	1	A	883988	SOCK	60.0	1.70	0
70	880718	1	A	883989	SOCK	63.0	1.80	0
70	880718	2	B	883968	SOCK	95.0	6.42	0
70	880718	2	B	883969	SOCK	69.0	2.38	0
70	880718	2	B	883970	SOCK	70.0	2.46	0
70	880718	2	B	883971	SOCK	67.0	2.16	0
70	880718	2	B	883972	SOCK	64.0	1.74	0
70	880718	2	B	883973	SOCK	72.0	2.58	0
70	880718	2	B	883974	SOCK	69.0	2.44	0
70	880718	2	B	883975	SOCK	65.0	2.16	0
70	880718	2	B	883976	SOCK	68.0	2.30	0
70	880718	2	B	883977	SOCK	61.0	1.66	0
70	880718	3	C	883990	SOCK	93.0	5.74	0
70	880718	3	C	883991	SOCK	53.0	0.90	0
70	880718	3	C	883992	SOCK	60.0	1.70	0
70	880718	4	D	883978	SOCK	64.0	1.68	0
70	880718	4	D	883979	SOCK	66.0	2.28	0
71	880721	1	A	884013	SOCK	69.0	2.22	0
71	880721	1	A	884014	SOCK	65.0	2.22	0
71	880721	1	A	884015	SOCK	66.0	2.16	0
71	880721	1	A	884016	SOCK	58.0	1.42	0
71	880721	1	A	884017	SOCK	59.0	1.38	0
71	880721	1	A	884018	SOCK	67.0	2.62	0
71	880721	1	A	884019	SOCK	60.0	1.84	0
71	880721	1	A	884020	SOCK	65.0	2.18	0
71	880721	1	A	884021	SOCK	65.0	1.88	0
71	880721	1	A	884022	SOCK	63.0	2.20	0
71	880721	2	E	884003	SOCK	58.0	1.32	0
71	880721	2	E	884004	SOCK	59.0	1.56	0
71	880721	2	E	884005	SOCK	57.0	1.14	0
71	880721	2	E	884006	SOCK	56.0	1.06	0
71	880721	2	E	884007	SOCK	61.0	1.48	0
71	880721	2	E	884008	SOCK	60.0	1.54	0
71	880721	2	E	884009	SOCK	60.0	1.28	0
71	880721	2	E	884010	SOCK	59.0	1.46	0
71	880721	2	E	884011	SOCK	65.0	2.10	0
71	880721	2	E	884012	SOCK	55.0	1.18	0
71	880721	3	D	883993	SOCK	83.0	4.02	0
71	880721	3	D	883994	SOCK	59.0	1.50	0
71	880721	3	D	883995	SOCK	60.0	1.64	0
71	880721	3	D	883996	SOCK	59.0	1.70	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
71	880721	3	D	883997	SOCK	62.0	1.72	0
71	880721	3	D	883998	SOCK	65.0	1.90	0
71	880721	3	D	883999	SOCK	58.0	1.58	0
71	880721	3	D	884000	SOCK	63.0	1.92	0
71	880721	3	D	884001	SOCK	60.0	1.54	0
71	880721	3	D	884002	SOCK	65.0	1.98	0
71	880721	4	C	884023	SOCK	61.0	1.58	0
71	880721	4	C	884024	SOCK	66.0	2.00	0
71	880721	4	C	884025	SOCK	58.0	1.32	0
71	880721	4	C	884026	SOCK	59.0	1.40	0
71	880721	4	C	884027	SOCK	65.0	1.88	0
71	880721	4	C	884028	SOCK	59.0	1.34	0
71	880721	5	B	884029	SOCK	63.0	1.66	0
71	880721	5	B	884030	SOCK	66.0	2.16	0
71	880721	5	B	884031	SOCK	63.0	1.74	0
71	880721	5	B	884032	SOCK	57.0	1.34	0
71	880721	5	B	884033	SOCK	57.0	1.38	0
71	880721	5	B	884034	SOCK	54.0	0.98	0
71	880721	5	B	884035	SOCK	62.0	1.70	0
71	880721	5	B	884036	SOCK	59.0	1.36	0
71	880721	5	B	884037	SOCK	59.0	1.42	0
71	880721	5	B	884038	SOCK	58.0	1.34	0
71	880721	5	B	884039	SOCK	56.0	1.44	0
72	880726	1	E	884044	SOCK	72.0	2.78	0
72	880726	1	E	884045	SOCK	60.0	1.66	0
72	880726	2	D	884040	SOCK	81.0	3.88	0
72	880726	2	D	884041	SOCK	76.0	3.80	0
72	880726	3	C	884053	SOCK	96.0	7.18	0
72	880726	3	C	884054	SOCK	61.0	1.70	0
72	880726	3	C	884055	SOCK	64.0	2.20	0
72	880726	3	C	884056	SOCK	56.0	1.28	0
72	880726	4	B	884046	SOCK	64.0	2.12	0
72	880726	4	B	884047	SOCK	64.0	2.20	0
72	880726	4	B	884048	SOCK	61.0	1.76	0
72	880726	4	B	884049	SOCK	65.0	2.08	0
72	880726	4	B	884050	SOCK	65.0	2.06	0
72	880726	4	B	884051	SOCK	63.0	1.86	0
72	880726	4	B	884052	SOCK	58.0	1.44	0
72	880726	5	A	884042	SOCK	57.0	1.30	0
72	880726	5	A	884043	SOCK	52.0	0.94	0
73	880729	1	A	884061	SOCK	98.0	8.50	0

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73	880729	2	B	884058	SOCK	60.0	1.58	0
73	880729	2	B	884059	SOCK	58.0	1.38	0
73	880729	2	B	884060	SOCK	55.0	1.10	0
73	880729	4	D	884057	SOCK	56.0	1.26	0
73	880729	5	E	884062	SOCK	62.0	2.00	0
73	880729	5	E	884063	SOCK	66.0	2.84	0
73	880729	5	E	884064	SOCK	61.0	2.02	0
73	880729	5	E	884065	SOCK	62.0	2.04	0
73	880729	5	E	884066	SOCK	59.0	1.72	0
73	880729	5	E	884067	SOCK	62.0	2.12	0
73	880729	5	E	884068	SOCK	63.0	1.94	0
73	880729	5	E	884069	SOCK	56.0	1.50	0
73	880729	5	E	884070	SOCK	59.0	1.40	0
73	880729	5	E	884071	SOCK	50.0	1.00	0
74	880803	1	A	884089	SOCK	64.0	1.78	0
74	880803	1	A	884090	SOCK	59.0	1.52	0
74	880803	2	B	884074	SOCK	73.0	2.88	0
74	880803	2	B	884075	SOCK	69.0	2.62	0
74	880803	2	B	884076	SOCK	65.0	2.10	0
74	880803	3	C	884083	SOCK	63.0	1.70	0
74	880803	3	C	884084	SOCK	67.0	2.24	0
74	880803	3	C	884085	SOCK	62.0	1.82	0
74	880803	3	C	884086	SOCK	71.0	2.38	0
74	880803	3	C	884087	SOCK	58.0	1.50	0
74	880803	3	C	884088	SOCK	68.0	2.22	0
74	880803	4	D	884077	SOCK	97.0	8.82	0
74	880803	4	D	884078	SOCK	90.0	5.86	0
74	880803	4	D	884079	SOCK	81.0	4.44	0
74	880803	4	D	884080	SOCK	82.0	4.38	0
74	880803	4	D	884081	SOCK	65.0	2.16	0
74	880803	4	D	884082	SOCK	66.0	2.22	0
74	880803	5	E	884072	SOCK	60.0	1.50	0
74	880803	5	E	884073	SOCK	60.0	1.52	0
75	880805	1	A	884091	SOCK	67.0	2.30	0
75	880805	2	B	884098	SOCK	110.0	11.50	0
75	880805	3	C	884096	SOCK	115.0	15.74	0
75	880805	3	C	884097	SOCK	62.0	2.02	0
75	880805	4	D	884099	SOCK	76.0	3.50	0
75	880805	4	D	884100	SOCK	60.0	1.72	0
75	880805	5	E	884092	SOCK	78.0	3.88	0
75	880805	5	E	884093	SOCK	57.0	1.50	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
SPECIMENS FIXED AND PRESERVED IN ETHANOL

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	ID NUMBER	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
75	880805	5	E	884094	SOCK	50.0	0.86	0
75	880805	5	E	884095	SOCK	60.0	1.68	0
76	880808	1	A	884111	SOCK	69.0	2.80	0
76	880808	2	B	884101	SOCK	63.0	2.14	0
76	880808	2	B	884102	SOCK	67.0	2.54	0
76	880808	2	B	884103	SOCK	75.0	3.24	0
76	880808	2	B	884104	SOCK	66.0	2.40	0
76	880808	3	C	884012	SOCK	99.0	9.10	0
76	880808	3	C	884113	SOCK	71.0	2.94	0
76	880808	4	D	884105	SOCK	75.0	3.16	0
76	880808	4	D	884106	SOCK	64.0	2.64	0
76	880808	4	D	884107	SOCK	73.0	2.70	0
76	880808	4	D	884108	SOCK	56.0	1.32	0
76	880808	5	E	884109	SOCK	70.0	2.90	0
76	880808	5	E	884110	SOCK	71.0	2.86	0
78	880815	2	D	884114	SOCK	84.0	4.78	0
78	880815	3	E	884116	SOCK	65.0	2.12	0
78	880815	4	B	884117	SOCK	59.0	1.64	0
78	880815	5	A	884115	SOCK	76.0	3.72	0
79	880818	2	B	884121	SOCK	82.0	4.92	0
79	880818	3	C	884118	SOCK	83.0	4.46	0
79	880818	4	D	884119	SOCK	84.0	4.38	0
79	880818	4	D	884120	SOCK	68.0	1.96	0
80	880824	3	B	884122	SOCK	90.0	5.68	0
80	880824	4	B	884127	SOCK	90.0	6.46	0
80	880824	5	E	884128	SOCK	69.0	2.56	0
80	880824	5	E	884129	SOCK	103.0	9.46	0
80	880824	6	E	884123	SOCK	73.0	3.38	0
80	880824	6	E	884124	SOCK	90.0	6.84	0
80	880824	6	E	884125	SOCK	81.0	3.62	0
80	880824	6	E	884126	SOCK	79.0	4.04	0
80	880824	8	D	884130	SOCK	92.0	6.94	0
81	880826	4	B	884131	SOCK	63.0	2.06	0

Table 5. Length - weight data from trawl caught juvenile salmonids, Fraser River at Queens Reach, 1987-1988. Untreated specimens.

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
42	880420	4	D	rain	180.0	.	0
42	880420	4	D	rain	180.0	.	0
44	880426	4	D	rain	220.0	.	0
44	880426	5	E	rain	165.0	.	0
44	880426	5	E	rain	155.0	.	0
48	880510	.	.	chin	77.0	5.13	0
48	880510	.	.	chin	102.0	12.02	0
48	880510	.	.	chin	88.0	10.00	0
48	880510	.	.	chin	103.0	10.90	0
48	880510	.	.	chin	94.0	9.75	0
48	880510	.	.	chin	84.0	7.83	0
48	880510	.	.	chin	94.0	7.30	0
48	880510	.	.	chin	97.0	7.99	0
48	880510	.	.	chin	83.0	7.12	0
48	880510	.	.	chin	96.0	11.02	0
48	880510	.	.	chin	96.0	8.87	0
48	880510	.	.	chin	90.0	9.82	0
48	880510	.	.	chin	77.0	5.52	0
48	880510	.	.	chin	78.0	6.28	0
48	880510	.	.	coho	95.0	9.60	0
48	880510	.	.	coho	110.0	15.81	0
48	880510	.	.	coho	90.0	7.52	0
48	880510	.	.	coho	86.0	7.25	0
48	880510	4	C	rain	205.0	.	0
49	880511	.	.	chin	134.0	23.70	0
49	880511	.	.	chin	95.0	8.36	1
49	880511	.	.	chin	109.0	12.44	0
49	880511	.	.	chin	108.0	12.28	0
49	880511	.	.	chin	88.0	6.66	0
49	880511	.	.	chin	80.0	6.82	0
49	880511	.	.	chin	72.0	4.28	0
49	880511	.	.	chin	92.0	7.60	0
49	880511	.	.	chin	110.0	13.70	1
49	880511	.	.	chin	99.0	9.88	0
49	880511	.	.	chin	98.0	11.50	0
49	880511	.	.	chin	110.0	13.32	0
49	880511	.	.	chin	96.0	10.92	0
49	880511	.	.	chin	86.0	6.12	0
49	880511	.	.	chin	91.0	7.70	0
49	880511	.	.	chin	84.0	5.56	0
49	880511	.	.	chin	91.0	8.36	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
49	880511	.	.	chin	87.0	6.78	0
49	880511	.	.	chin	85.0	6.98	0
49	880511	.	.	chin	69.0	3.38	0
49	880511	.	.	chin	88.0	6.88	0
49	880511	.	.	chin	87.0	7.02	0
50	880513	5	A	rain	190.0	.	0
50	880513	5	A	rain	161.0	.	0
51	880516	4	D	rain	157.0	.	0
52	880518	4	C	coho	140.0	.	0
52	880518	4	C	cutt	162.0	.	0
53	880519	.	.	chin	121.0	7.90	0
53	880519	.	.	chin	95.0	9.50	0
53	880519	.	.	chin	93.0	10.10	0
53	880519	.	.	chin	88.0	8.40	0
53	880519	.	.	chin	88.0	8.08	0
53	880519	.	.	chin	85.0	6.72	0
53	880519	.	.	chin	84.0	7.16	1
53	880519	.	.	chin	92.0	7.50	0
53	880519	.	.	chin	110.0	14.08	0
53	880519	.	.	chin	108.0	13.50	0
53	880519	.	.	chin	133.0	22.64	0
53	880519	.	.	sock	111.0	11.54	0
53	880519	.	.	sock	109.0	9.84	0
53	880519	.	.	sock	89.0	5.98	0
53	880519	.	.	sock	88.0	6.16	0
53	880519	.	.	sock	102.0	9.58	0
53	880519	.	.	sock	90.0	5.96	0
53	880519	.	.	sock	85.0	4.56	0
53	880519	1	A	coho	138.0	.	0
53	880519	1	A	coho	145.0	.	0
53	880519	4	D	chin	184.0	.	0
54	880525	1	D	chin	95.0	.	0
54	880525	1	D	chin	126.0	.	0
54	880525	1	D	chin	96.0	.	0
54	880525	1	D	chin	92.0	.	0
54	880525	1	D	chin	98.0	.	0
54	880525	1	D	coho	124.0	.	0
54	880525	1	D	coho	132.0	.	0
54	880525	1	D	rain	157.0	.	0
54	880525	2	E	chin	131.0	.	0
54	880525	2	E	chin	126.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
54	880525	2	E	chin	108.0	.	0
54	880525	2	E	chin	119.0	.	0
54	880525	2	E	chin	89.0	.	0
54	880525	2	E	chin	104.0	.	0
54	880525	2	E	chin	94.0	.	0
54	880525	2	E	chin	97.0	.	0
54	880525	2	E	chin	124.0	.	0
54	880525	2	E	coho	127.0	.	0
54	880525	3	A	chin	120.0	.	0
54	880525	3	A	chin	134.0	.	0
54	880525	3	A	chin	93.0	.	0
54	880525	3	A	chin	118.0	.	0
54	880525	3	A	chin	109.0	.	0
54	880525	3	A	chin	140.0	.	0
54	880525	3	A	chin	123.0	.	0
54	880525	3	A	chin	80.0	.	0
54	880525	3	A	coho	137.0	.	0
54	880525	3	A	coho	134.0	.	1
54	880525	3	A	coho	142.0	.	0
54	880525	3	A	coho	143.0	.	0
54	880525	3	A	coho	94.0	.	0
54	880525	3	A	coho	124.0	.	0
54	880525	3	A	coho	122.0	.	0
54	880525	3	A	coho	95.0	.	0
54	880525	3	A	rain	200.0	.	0
54	880525	4	C	chin	116.0	.	0
54	880525	4	C	chin	124.0	.	0
54	880525	4	C	chin	118.0	.	0
54	880525	4	C	chin	130.0	.	0
54	880525	4	C	chin	127.0	.	0
54	880525	4	C	chin	89.0	.	0
54	880525	4	C	chin	100.0	.	0
54	880525	4	C	chin	94.0	.	0
54	880525	4	C	chin	126.0	.	0
54	880525	4	C	chin	86.0	.	0
54	880525	4	C	chin	102.0	.	0
54	880525	4	C	chin	94.0	.	0
54	880525	4	C	chin	90.0	.	0
54	880525	4	C	chin	109.0	.	0
54	880525	4	C	coho	114.0	.	0
54	880525	4	C	coho	127.0	.	1

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
54	880525	4	C	coho	132.0	.	0
54	880525	4	C	coho	138.0	.	0
54	880525	4	C	coho	126.0	.	0
54	880525	4	C	coho	136.0	.	0
54	880525	4	C	coho	135.0	.	0
54	880525	4	C	coho	119.0	.	0
54	880525	5	B	chin	134.0	.	0
54	880525	5	B	chin	117.0	.	0
54	880525	5	B	chin	109.0	.	0
54	880525	5	B	chin	94.0	.	0
54	880525	5	B	coho	133.0	.	0
54	880525	5	B	coho	139.0	.	0
54	880525	5	B	coho	119.0	.	0
54	880525	5	B	coho	112.0	.	0
54	880525	5	B	rain	196.0	.	0
55	880530	1	A	chin	48.0	.	0
55	880530	1	A	coho	98.0	.	0
55	880530	1	A	coho	112.0	.	0
55	880530	1	A	coho	103.0	.	0
55	880530	1	A	coho	106.0	.	0
55	880530	2	B	chin	112.0	.	0
55	880530	2	B	chin	121.0	.	0
55	880530	2	B	chin	78.0	.	0
55	880530	2	B	chin	80.0	.	0
55	880530	2	B	chin	96.0	.	0
55	880530	2	B	coho	122.0	.	0
55	880530	2	B	coho	112.0	.	0
55	880530	2	B	coho	122.0	.	0
55	880530	3	C	chin	104.0	.	0
55	880530	3	C	chin	90.0	.	0
55	880530	3	C	chin	86.0	.	0
55	880530	3	C	chin	93.0	.	0
55	880530	3	C	chin	123.0	.	0
55	880530	3	C	chin	183.0	.	0
55	880530	3	C	chin	123.0	.	0
55	880530	3	C	chin	122.0	.	0
55	880530	3	C	coho	99.0	.	0
55	880530	3	C	coho	123.0	.	1
55	880530	3	C	coho	101.0	.	0
55	880530	3	C	coho	128.0	.	1
55	880530	3	C	rain	121.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
55	880530	4	D	chin	99.0	.	0
55	880530	4	D	chin	97.0	.	0
55	880530	4	D	chin	117.0	.	0
55	880530	4	D	chin	116.0	.	0
55	880530	4	D	chin	118.0	.	0
55	880530	4	D	chin	109.0	.	0
55	880530	4	D	chin	68.0	.	0
55	880530	4	D	chin	100.0	.	0
55	880530	4	D	chin	94.0	.	0
55	880530	4	D	chin	65.0	.	0
55	880530	4	D	coho	134.0	.	0
55	880530	4	D	coho	124.0	.	0
55	880530	4	D	coho	114.0	.	0
55	880530	4	D	rain	121.0	.	0
55	880530	5	E	chin	101.0	.	0
55	880530	5	E	chin	111.0	.	0
55	880530	5	E	chin	79.0	.	0
55	880530	5	E	coho	127.0	.	0
55	880530	5	E	coho	112.0	.	0
55	880530	5	E	rain	218.0	.	0
55	880530	6	A	chin	121.0	.	0
55	880530	6	A	chin	117.0	.	0
55	880530	6	A	chin	118.0	.	0
55	880530	6	A	chin	91.0	.	0
55	880530	6	A	chin	106.0	.	0
55	880530	6	A	chin	82.0	.	0
55	880530	6	A	chin	101.0	.	0
55	880530	6	A	chin	100.0	.	0
55	880530	6	A	chin	114.0	.	0
55	880530	6	A	chin	97.0	.	0
55	880530	6	A	chin	89.0	.	0
55	880530	6	A	chin	106.0	.	0
55	880530	6	A	chin	71.0	.	0
55	880530	6	A	chin	82.0	.	0
55	880530	6	A	chin	88.0	.	1
55	880530	6	A	coho	127.0	.	0
55	880530	6	A	coho	120.0	.	0
55	880530	6	A	coho	120.0	.	0
55	880530	6	A	coho	94.0	.	0
55	880530	6	A	coho	95.0	.	0
55	880530	6	A	coho	103.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
55	880530	6	A	coho	124.0	.	0
55	880530	6	A	coho	90.0	.	0
55	880530	7	C	chin	122.0	.	0
55	880530	7	C	chin	82.0	.	0
55	880530	7	C	chin	124.0	.	0
55	880530	7	C	chin	87.0	.	0
55	880530	7	C	chin	94.0	.	0
55	880530	7	C	coho	112.0	.	0
55	880530	7	C	coho	120.0	.	0
55	880530	7	C	coho	128.0	.	1
56	880601	1	B	chin	82.0	.	0
56	880601	1	B	chin	78.0	.	0
56	880601	1	B	chin	86.0	.	0
56	880601	1	B	chin	78.0	.	0
56	880601	1	B	chin	66.0	.	0
56	880601	1	B	chin	85.0	.	0
56	880601	1	B	chin	88.0	.	0
56	880601	1	B	chin	74.0	.	0
56	880601	1	B	chin	68.0	.	0
56	880601	1	B	chin	75.0	.	0
56	880601	1	B	coho	109.0	.	0
56	880601	2	C	chin	150.0	.	0
56	880601	2	C	chin	86.0	.	0
56	880601	2	C	chin	105.0	.	0
56	880601	2	C	chin	106.0	.	0
56	880601	2	C	chin	128.0	.	0
56	880601	2	C	chin	94.0	.	0
56	880601	2	C	chin	80.0	.	0
56	880601	2	C	chin	99.0	.	0
56	880601	2	C	chin	120.0	.	0
56	880601	2	C	chin	109.0	.	0
56	880601	2	C	chin	100.0	.	0
56	880601	2	C	chin	103.0	.	0
56	880601	2	C	chin	75.0	.	0
56	880601	2	C	chin	95.0	.	0
56	880601	2	C	chin	96.0	.	0
56	880601	2	C	rain	221.0	.	0
56	880601	3	D	chin	131.0	.	0
56	880601	3	D	chin	87.0	.	0
56	880601	3	D	chin	64.0	.	0
56	880601	3	D	chin	106.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
56	880601	3	D	chin	81.0	.	0
56	880601	3	D	chin	98.0	.	0
56	880601	3	D	chin	111.0	.	0
56	880601	3	D	coho	107.0	.	0
56	880601	4	E	chin	109.0	.	0
56	880601	4	E	chin	82.0	.	0
56	880601	4	E	chin	81.0	.	0
56	880601	4	E	chin	82.0	.	0
56	880601	4	E	chin	91.0	.	0
56	880601	4	E	chin	75.0	.	0
56	880601	4	E	chin	80.0	.	0
56	880601	4	E	chin	92.0	.	0
56	880601	4	E	chin	72.0	.	0
56	880601	4	E	rain	177.0	.	0
56	880601	5	A	chin	74.0	.	0
56	880601	5	A	chin	145.0	.	0
56	880601	5	A	chin	82.0	.	0
56	880601	5	A	chin	100.0	.	0
56	880601	5	A	chin	106.0	.	0
56	880601	5	A	chin	89.0	.	0
56	880601	5	A	coho	99.0	.	0
56	880601	5	A	coho	91.0	.	0
57	880603	1	A	chin	85.0	.	0
57	880603	1	A	chin	61.0	.	0
57	880603	1	A	chin	75.0	.	0
57	880603	1	A	chin	72.0	.	0
57	880603	1	A	chin	75.0	.	0
57	880603	1	A	chin	68.0	.	0
57	880603	1	A	chin	74.0	.	0
57	880603	1	A	chin	82.0	.	0
57	880603	1	A	chin	67.0	.	0
57	880603	1	A	chin	107.0	.	0
57	880603	1	A	chin	72.0	.	0
57	880603	1	A	chin	84.0	.	0
57	880603	1	A	chin	77.0	.	0
57	880603	1	A	chin	72.0	.	0
57	880603	1	A	chin	81.0	.	0
57	880603	1	A	chin	71.0	.	0
57	880603	1	A	chin	97.0	.	0
57	880603	1	A	chin	67.0	.	0
57	880603	1	A	chin	65.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
57	880603	1	A	chin	81.0	.	0
57	880603	1	A	chin	71.0	.	0
57	880603	1	A	chin	75.0	.	0
57	880603	1	A	chin	78.0	.	0
57	880603	1	A	chin	91.0	.	0
57	880603	1	A	chin	72.0	.	0
57	880603	1	A	chin	72.0	.	0
57	880603	1	A	chin	74.0	.	0
57	880603	1	A	chin	77.0	.	0
57	880603	1	A	coho	121.0	.	0
57	880603	1	A	coho	116.0	.	0
57	880603	1	A	coho	126.0	.	0
57	880603	1	A	coho	124.0	.	0
57	880603	1	A	coho	135.0	.	0
57	880603	2	B	chin	75.0	.	0
57	880603	2	B	chin	89.0	.	1
57	880603	2	B	chin	112.0	.	0
57	880603	2	B	chin	81.0	.	0
57	880603	2	B	chin	109.0	.	0
57	880603	2	B	chin	47.0	.	0
57	880603	2	B	chin	77.0	.	0
57	880603	2	B	chin	86.0	.	1
57	880603	2	B	chin	82.0	.	0
57	880603	2	B	chin	129.0	.	0
57	880603	2	B	coho	96.0	.	0
57	880603	3	E	chin	72.0	.	0
57	880603	3	E	chin	96.0	.	0
57	880603	3	E	chin	100.0	.	0
57	880603	3	E	coho	122.0	.	0
57	880603	3	E	coho	111.0	.	0
57	880603	3	E	coho	118.0	.	0
57	880603	4	C	chin	105.0	.	0
57	880603	4	C	chin	88.0	.	0
57	880603	4	C	chin	102.0	.	0
57	880603	4	C	chin	91.0	.	0
57	880603	4	C	chin	77.0	.	0
57	880603	4	C	chin	95.0	.	0
57	880603	4	C	coho	114.0	.	0
57	880603	4	C	coho	132.0	.	0
57	880603	5	D	chin	87.0	.	0
57	880603	5	D	chin	108.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
58	880606	1	A	chin	95.0	.	0
58	880606	1	A	chin	97.0	.	0
58	880606	2	B	chin	85.0	.	0
58	880606	2	B	chin	102.0	.	0
58	880606	2	B	chin	70.0	.	0
58	880606	3	C	chin	91.0	.	0
58	880606	3	C	chin	116.0	.	0
58	880606	3	C	coho	87.0	.	0
58	880606	3	C	rain	159.0	.	0
58	880606	3	C	rain	162.0	.	0
58	880606	4	E	chin	103.0	.	0
58	880606	4	E	chin	120.0	.	0
58	880606	4	E	chin	59.0	.	0
58	880606	5	D	chin	101.0	.	0
58	880606	5	D	chin	145.0	.	0
58	880606	5	D	chin	133.0	.	0
58	880606	5	D	chin	100.0	.	1
58	880606	5	D	chin	84.0	.	0
58	880606	5	D	coho	141.0	.	0
59	880608	1	B	chin	121.0	.	0
59	880608	1	B	chin	109.0	.	0
59	880608	1	B	chin	76.0	.	0
59	880608	1	B	chin	85.0	.	0
59	880608	1	B	chin	89.0	.	0
59	880608	1	B	chin	85.0	.	0
59	880608	1	B	chin	83.0	.	0
59	880608	1	B	chin	83.0	.	0
59	880608	2	A	chin	125.0	.	0
59	880608	2	A	chin	105.0	.	0
59	880608	2	A	chin	75.0	.	0
59	880608	2	A	chin	80.0	.	0
59	880608	2	A	chin	93.0	.	0
59	880608	2	A	chin	95.0	.	0
59	880608	2	A	chin	78.0	.	0
59	880608	2	A	chin	81.0	.	0
59	880608	2	A	chin	85.0	.	1
59	880608	2	A	chin	88.0	.	0
59	880608	2	A	chin	89.0	.	0
59	880608	2	A	chin	100.0	.	0
59	880608	2	A	chin	85.0	.	0
59	880608	2	A	chin	73.0	.	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
59	880608	2	A	chin	105.0	.	0
59	880608	2	A	chin	82.0	.	0
59	880608	2	A	chin	75.0	.	0
59	880608	2	A	chin	88.0	.	0
59	880608	2	A	chin	98.0	.	0
59	880608	2	A	chin	76.0	.	1
59	880608	2	A	chin	98.0	.	0
59	880608	2	A	chin	73.0	.	0
59	880608	2	A	chin	108.0	.	0
59	880608	2	A	chin	80.0	.	0
59	880608	2	A	chin	90.0	.	0
59	880608	3	C	chin	78.0	.	0
59	880608	3	C	chin	99.0	.	0
59	880608	3	C	chin	78.0	.	0
59	880608	3	C	chin	88.0	.	0
59	880608	3	C	chin	80.0	.	0
59	880608	3	C	chin	125.0	.	0
59	880608	3	C	chin	123.0	.	0
59	880608	3	C	chin	80.0	.	0
59	880608	3	C	chin	82.0	.	0
59	880608	3	C	chin	102.0	.	0
59	880608	3	C	chin	94.0	.	0
59	880608	3	C	chin	86.0	.	0
59	880608	3	C	chin	78.0	.	0
59	880608	3	C	chin	81.0	.	0
59	880608	3	C	chin	103.0	.	0
59	880608	3	C	chin	90.0	.	0
59	880608	3	C	chin	110.0	.	0
59	880608	3	C	chin	125.0	.	0
59	880608	3	C	chin	100.0	.	0
59	880608	4	D	chin	72.0	.	0
59	880608	4	D	chin	81.0	.	0
59	880608	4	D	chin	80.0	.	0
59	880608	4	D	chin	91.0	.	0
59	880608	4	D	chin	77.0	.	0
59	880608	4	D	chin	94.0	.	0
59	880608	4	D	chin	89.0	.	0
59	880608	4	D	chin	72.0	.	0
59	880608	4	D	chin	104.0	.	0
59	880608	4	D	chin	109.0	.	0
59	880608	4	D	chin	114.0	.	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
59	880608	4	D	chin	115.0	.	0
59	880608	4	D	chin	88.0	.	0
59	880608	4	D	chin	79.0	.	0
59	880608	4	D	chin	118.0	.	0
59	880608	4	D	chin	114.0	.	0
59	880608	4	D	chin	79.0	.	0
59	880608	4	D	chin	71.0	.	0
59	880608	4	D	chin	116.0	.	0
59	880608	4	D	chin	97.0	.	0
59	880608	4	D	chin	80.0	.	0
59	880608	4	D	chin	127.0	.	0
59	880608	4	D	chin	85.0	.	0
59	880608	4	D	chin	84.0	.	0
59	880608	4	D	chin	105.0	.	0
59	880608	4	D	chin	77.0	.	0
59	880608	4	D	chin	100.0	.	0
59	880608	4	D	chin	131.0	.	0
59	880608	4	D	coho	106.0	.	0
59	880608	4	D	coho	115.0	.	0
59	880608	5	E	chin	74.0	.	0
59	880608	5	E	chin	88.0	.	0
59	880608	5	E	chin	85.0	.	0
59	880608	5	E	chin	81.0	.	0
59	880608	5	E	chin	79.0	.	0
59	880608	5	E	chin	79.0	.	1
59	880608	5	E	chin	79.0	.	0
59	880608	5	E	chin	99.0	.	0
59	880608	5	E	chin	80.0	.	1
59	880608	5	E	chin	83.0	.	0
59	880608	5	E	chin	79.0	.	0
59	880608	5	E	chin	93.0	.	0
59	880608	5	E	chin	85.0	.	0
59	880608	5	E	chin	80.0	.	0
59	880608	5	E	chin	65.0	.	0
59	880608	5	E	chin	79.0	.	0
59	880608	5	E	chin	88.0	.	0
59	880608	5	E	chin	72.0	.	0
59	880608	5	E	chin	87.0	.	0
59	880608	5	E	chin	82.0	.	0
59	880608	5	E	chin	85.0	.	0
59	880608	5	E	chin	72.0	.	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
59	880608	5	E	chin	118.0	.	0
59	880608	5	E	rain	202.0	.	0
60	880613	1	A	chin	87.0	.	1
60	880613	1	A	chin	135.0	.	0
60	880613	1	A	chin	98.0	.	0
60	880613	1	A	chin	127.0	.	1
60	880613	1	A	chin	93.0	.	0
60	880613	1	A	chin	87.0	.	0
60	880613	1	A	chin	123.0	.	0
60	880613	1	A	chin	134.0	.	0
60	880613	1	A	chin	98.0	.	0
60	880613	1	A	chin	98.0	.	0
60	880613	1	A	chin	132.0	.	0
60	880613	1	A	chin	73.0	.	0
60	880613	1	A	chin	89.0	.	0
60	880613	1	A	chin	99.0	.	0
60	880613	1	A	chin	80.0	.	0
60	880613	1	A	coho	132.0	.	0
60	880613	1	A	coho	89.0	.	0
60	880613	1	A	coho	87.0	.	0
60	880613	1	A	coho	95.0	.	0
60	880613	1	A	coho	94.0	.	0
60	880613	1	A	coho	120.0	.	0
60	880613	1	A	rain	216.0	.	0
60	880613	2	B	chin	117.0	.	0
60	880613	2	B	chin	92.0	.	0
60	880613	2	B	chin	89.0	.	0
60	880613	2	B	chin	118.0	.	0
60	880613	2	B	chin	97.0	.	0
60	880613	2	B	chin	125.0	.	0
60	880613	2	B	chin	105.0	.	0
60	880613	2	B	chin	82.0	.	0
60	880613	2	B	chin	77.0	.	0
60	880613	2	B	chin	84.0	.	0
60	880613	2	B	chin	114.0	.	0
60	880613	2	B	chin	95.0	.	0
60	880613	2	B	chin	107.0	.	0
60	880613	2	B	chin	86.0	.	0
60	880613	2	B	coho	110.0	.	0
60	880613	2	B	coho	130.0	.	0
60	880613	2	B	coho	75.0	.	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
60	880613	3	C	chin	77.0	.	0
60	880613	3	C	chin	57.0	.	0
60	880613	3	C	chin	101.0	.	0
60	880613	3	C	chin	104.0	.	0
60	880613	3	C	chin	117.0	.	0
60	880613	3	C	chin	100.0	.	0
60	880613	3	C	chin	104.0	.	0
60	880613	3	C	chin	98.0	.	0
60	880613	3	C	chin	87.0	.	1
60	880613	3	C	chin	123.0	.	0
60	880613	3	C	chin	107.0	.	0
60	880613	3	C	chin	102.0	.	0
60	880613	3	C	chin	102.0	.	0
60	880613	3	C	chin	93.0	.	0
60	880613	3	C	chin	82.0	.	0
60	880613	3	C	chin	100.0	.	0
60	880613	3	C	chin	82.0	.	0
60	880613	3	C	coho	104.0	.	0
60	880613	4	D	chin	96.0	.	0
60	880613	4	D	chin	106.0	.	0
60	880613	4	D	chin	102.0	.	0
60	880613	4	D	chin	97.0	.	0
60	880613	4	D	chin	84.0	.	0
60	880613	4	D	chin	112.0	.	1
60	880613	4	D	chin	111.0	.	0
60	880613	4	D	chin	89.0	.	0
60	880613	4	D	chin	79.0	.	0
60	880613	5	E	chin	102.0	.	0
60	880613	5	E	chin	84.0	.	0
60	880613	5	E	chin	92.0	.	0
60	880613	5	E	chin	86.0	.	0
60	880613	5	E	chin	91.0	.	0
61	880615	1	A	chin	102.0	.	0
61	880615	1	A	chin	75.0	.	0
61	880615	1	A	chin	104.0	.	0
61	880615	1	A	chin	84.0	.	0
61	880615	1	A	chin	99.0	.	0
61	880615	1	A	chin	92.0	.	0
61	880615	1	A	chin	95.0	.	0
61	880615	1	A	chin	83.0	.	0
61	880615	1	A	coho	152.0	.	0

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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
61	880615	1	A	coho	137.0	.	0
61	880615	1	A	coho	119.0	.	1
61	880615	2	B	chin	102.0	.	0
61	880615	2	B	chin	112.0	.	0
61	880615	2	B	chin	115.0	.	0
61	880615	2	B	chin	96.0	.	0
61	880615	2	B	chin	102.0	.	1
61	880615	2	B	chin	126.0	.	0
61	880615	2	B	chin	113.0	.	1
61	880615	2	B	coho	72.0	.	0
61	880615	3	C	chin	82.0	.	0
61	880615	3	C	chin	84.0	.	0
61	880615	3	C	chin	94.0	.	0
61	880615	3	C	chin	103.0	.	0
61	880615	3	C	chin	102.0	.	0
61	880615	3	C	chin	87.0	.	0
61	880615	3	C	coho	109.0	.	0
61	880615	5	E	chin	82.0	.	0
62	880620	1	A	chin	97.0	10.66	1
62	880620	1	A	chin	105.0	13.06	0
62	880620	1	A	chin	95.0	9.50	0
62	880620	1	A	chin	94.0	10.46	0
62	880620	1	A	chum	48.0	1.14	0
62	880620	1	A	sock	50.0	1.12	0
62	880620	1	A	sock	64.0	2.20	0
62	880620	1	A	sock	42.0	0.94	0
62	880620	1	A	sock	63.0	1.96	0
62	880620	1	A	sock	54.0	1.20	0
62	880620	1	A	sock	96.0	9.44	0
62	880620	2	B	chin	90.0	8.08	0
62	880620	2	B	sock	86.0	5.76	0
62	880620	3	C	chin	129.0	24.32	0
62	880620	3	C	chin	80.0	5.52	0
62	880620	3	C	chin	87.0	7.92	1
62	880620	3	C	sock	95.0	8.02	0
62	880620	3	C	sock	92.0	6.50	0
62	880620	3	C	sock	103.0	9.66	0
62	880620	3	C	sock	94.0	7.68	0
62	880620	4	D	chin	105.0	11.84	0
63	880624	1	A	chin	84.0	4.56	0
63	880624	1	A	chin	131.0	22.36	0

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63	880624	1	A	chin	84.0	6.56	0
63	880624	1	A	chin	124.0	17.09	0
63	880624	1	A	chin	116.0	15.80	0
63	880624	1	A	chin	101.0	9.42	0
63	880624	1	A	chin	102.0	10.10	0
63	880624	1	A	chin	91.0	7.76	0
63	880624	1	A	chin	93.0	7.14	0
63	880624	1	A	chin	105.0	12.96	0
63	880624	1	A	chin	114.0	15.30	0
63	880624	1	A	chin	98.0	8.14	0
63	880624	1	A	chin	96.0	.	0
63	880624	1	A	coho	117.0	14.60	0
63	880624	1	A	coho	112.0	13.92	0
63	880624	2	B	chin	97.0	8.32	0
63	880624	2	B	chin	112.0	13.78	0
63	880624	2	B	chin	104.0	10.70	0
63	880624	2	B	chin	106.0	10.48	0
63	880624	2	B	chin	65.0	3.54	0
63	880624	3	C	chin	55.0	1.70	0
63	880624	3	C	chin	113.0	12.38	0
63	880624	3	C	chin	100.0	9.16	0
63	880624	3	C	chin	138.0	29.68	0
63	880624	3	C	chin	116.0	16.72	0
63	880624	3	C	chin	130.0	22.50	0
63	880624	3	C	chin	104.0	10.02	0
63	880624	3	C	chin	89.0	6.64	0
63	880624	3	C	chin	102.0	9.76	0
63	880624	3	C	chin	101.0	9.56	0
63	880624	3	C	chin	96.0	9.28	0
63	880624	3	C	coho	104.0	11.80	0
63	880624	3	C	coho	113.0	14.44	1
63	880624	4	D	chin	87.0	7.24	0
63	880624	4	D	chin	96.0	9.38	0
63	880624	4	D	chin	90.0	8.20	0
63	880624	4	D	chin	113.0	14.76	0
63	880624	4	D	chin	88.0	8.44	0
63	880624	4	D	coho	96.0	10.14	0
63	880624	5	E	chin	112.0	.	0
64	880627	1	A	chin	72.0	4.02	0
64	880627	1	A	chin	95.0	9.46	0
64	880627	1	A	chin	70.0	3.48	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
64	880627	1	A	chin	107.0	12.30	0
64	880627	1	A	chin	105.0	12.36	0
64	880627	1	A	chin	96.0	8.63	1
64	880627	1	A	chin	105.0	11.56	0
64	880627	1	A	chin	75.0	4.30	0
64	880627	1	A	coho	86.0	6.92	0
64	880627	2	B	chin	59.0	1.64	0
64	880627	2	B	chin	67.0	3.00	0
64	880627	2	B	chin	74.0	4.14	0
64	880627	2	B	chin	96.0	9.44	1
64	880627	2	B	chin	97.0	10.24	1
64	880627	2	B	chin	104.0	13.06	0
64	880627	2	B	chin	102.0	10.96	0
64	880627	2	B	chin	84.0	6.30	0
64	880627	2	B	chin	94.0	8.94	0
64	880627	2	B	chin	82.0	5.66	0
64	880627	2	B	chin	90.0	7.50	0
64	880627	2	B	chin	100.0	10.46	0
64	880627	2	B	chin	82.0	5.82	0
64	880627	2	B	chin	92.0	9.02	0
64	880627	2	B	coho	97.0	9.92	0
64	880627	2	B	coho	95.0	9.92	0
64	880627	3	C	chin	128.0	22.74	0
64	880627	3	C	chin	102.0	10.46	0
64	880627	3	C	chin	100.0	10.94	0
64	880627	3	C	chin	67.0	3.12	0
64	880627	3	C	chin	99.0	10.92	0
64	880627	3	C	chin	72.0	3.92	0
64	880627	3	C	chin	102.0	11.58	0
64	880627	3	C	chin	97.0	9.76	0
64	880627	3	C	coho	104.0	11.86	0
64	880627	4	D	chin	97.0	7.98	0
64	880627	5	E	chin	115.0	18.06	0
64	880627	5	E	chin	125.0	22.58	0
64	880627	5	E	chin	110.0	15.62	0
65	880629	3	C	chin	103.0	.	0
65	880629	3	C	chin	96.0	.	0
65	880629	3	C	chin	96.0	.	0
65	880629	3	C	chin	95.0	.	0
65	880629	3	C	chin	97.0	.	0
65	880629	3	C	chin	83.0	.	1

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
65	880629	3	C	chin	117.0	.	0
65	880629	3	C	chin	95.0	.	1
65	880629	3	C	chin	94.0	.	0
65	880629	3	C	chin	100.0	.	1
65	880629	3	C	chin	99.0	.	0
65	880629	3	C	chin	97.0	.	0
65	880629	3	C	chin	99.0	.	0
65	880629	3	C	chin	104.0	.	0
65	880629	3	C	chin	101.0	.	0
65	880629	3	C	chin	95.0	.	0
65	880629	3	C	rain	175.0	.	0
65	880629	4	D	chin	117.0	.	0
65	880629	4	D	chin	93.0	.	0
65	880629	4	D	chin	104.0	.	0
66	880704	1	A	chin	79.0	5.16	0
66	880704	1	A	chin	72.0	5.18	0
66	880704	1	A	chin	80.0	5.96	0
66	880704	1	A	chin	72.0	3.64	0
66	880704	1	A	chin	89.0	7.14	0
66	880704	1	A	chin	90.0	7.78	0
66	880704	1	A	chin	91.0	8.02	0
66	880704	1	A	chin	71.0	5.04	0
66	880704	1	A	chin	82.0	5.52	0
66	880704	1	A	chin	78.0	5.02	0
66	880704	2	B	chin	78.0	4.84	0
66	880704	3	C	chin	80.0	5.70	0
66	880704	3	C	chin	98.0	11.12	0
66	880704	3	C	chin	83.0	6.48	0
66	880704	4	D	chin	105.0	.	1
66	880704	4	D	chin	112.0	.	0
66	880704	5	E	chin	79.0	4.94	0
66	880704	5	E	chin	89.0	6.92	0
67	880707	1	A	chin	79.0	.	0
67	880707	1	A	chin	85.0	.	0
67	880707	1	A	chin	78.0	.	0
67	880707	1	A	chin	85.0	.	0
67	880707	1	A	chin	79.0	.	0
67	880707	1	A	chin	82.0	.	0
67	880707	1	A	chin	103.0	.	0
67	880707	1	A	chin	88.0	.	0
67	880707	1	A	chin	93.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
67	880707	1	A	chin	92.0	.	0
67	880707	1	A	chin	75.0	.	0
67	880707	1	A	chin	89.0	.	0
67	880707	1	A	chin	85.0	.	0
67	880707	1	A	chin	89.0	.	0
67	880707	1	A	chin	92.0	.	0
67	880707	1	A	chin	91.0	.	0
67	880707	1	A	chin	83.0	.	0
67	880707	1	A	chin	82.0	.	0
67	880707	1	A	chin	89.0	.	0
67	880707	1	A	chin	87.0	.	0
67	880707	1	A	chin	91.0	.	0
67	880707	1	A	chin	91.0	.	0
67	880707	1	A	chin	83.0	.	0
67	880707	2	B	chin	74.0	.	0
67	880707	2	B	chin	83.0	.	0
67	880707	2	B	chin	105.0	.	0
67	880707	2	B	chin	78.0	.	0
67	880707	2	B	chin	95.0	.	0
67	880707	2	B	chin	87.0	.	0
67	880707	2	B	chin	79.0	.	0
67	880707	2	B	chin	81.0	.	0
67	880707	2	B	chin	71.0	.	0
67	880707	2	B	chin	142.0	.	0
67	880707	2	B	chin	109.0	.	0
67	880707	2	B	chin	98.0	.	0
67	880707	2	B	chin	90.0	.	0
67	880707	2	B	chin	88.0	.	0
67	880707	2	B	chin	71.0	.	0
67	880707	2	B	chin	68.0	.	0
67	880707	2	B	chin	93.0	.	0
67	880707	2	B	chin	93.0	.	0
67	880707	2	B	chin	88.0	.	0
67	880707	2	B	chin	86.0	.	0
67	880707	2	B	chin	79.0	.	0
67	880707	2	B	chin	84.0	.	0
67	880707	2	B	chin	79.0	.	0
67	880707	2	B	chin	76.0	.	0
67	880707	2	B	chin	89.0	.	0
67	880707	3	C	chin	93.0	.	0
67	880707	3	C	chin	90.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
67	880707	3	C	chin	82.0	.	0
67	880707	3	C	chin	89.0	.	0
67	880707	3	C	chin	84.0	.	0
67	880707	3	C	chin	95.0	.	0
67	880707	3	C	chin	85.0	.	0
67	880707	3	C	chin	91.0	.	0
67	880707	3	C	chin	80.0	.	0
67	880707	3	C	chin	100.0	.	0
67	880707	3	C	chin	79.0	.	0
67	880707	3	C	chin	77.0	.	0
67	880707	3	C	chin	79.0	.	0
67	880707	3	C	chin	82.0	.	0
67	880707	3	C	chin	82.0	.	0
67	880707	3	C	chin	98.0	.	0
67	880707	3	C	chin	105.0	.	0
67	880707	3	C	chin	97.0	.	0
67	880707	4	D	chin	145.0	.	0
67	880707	4	D	chin	91.0	.	0
67	880707	4	D	chin	100.0	.	0
67	880707	4	D	chin	83.0	.	0
67	880707	4	D	chin	86.0	.	0
67	880707	4	D	chin	79.0	.	0
67	880707	4	D	chin	81.0	.	0
67	880707	4	D	chin	80.0	.	0
67	880707	4	D	chin	96.0	.	0
67	880707	4	D	chin	80.0	.	0
67	880707	4	D	chin	84.0	.	0
67	880707	4	D	chin	89.0	.	0
67	880707	4	D	chin	80.0	.	0
67	880707	4	D	coho	109.0	.	0
67	880707	5	E	chin	84.0	.	0
67	880707	5	E	chin	67.0	.	0
67	880707	5	E	chin	84.0	.	0
67	880707	5	E	chin	81.0	.	0
67	880707	5	E	chin	80.0	.	0
67	880707	5	E	chin	78.0	.	0
67	880707	5	E	chin	75.0	.	0
67	880707	5	E	chin	70.0	.	0
68	880711	1	A	chin	82.0	5.52	0
68	880711	1	A	chin	81.0	5.18	0
68	880711	1	A	chin	73.0	5.42	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
68	880711	1	A	chin	78.0	5.20	0
68	880711	1	A	chin	80.0	5.52	0
68	880711	1	A	chin	62.0	2.27	0
68	880711	1	A	chin	97.0	9.98	0
68	880711	2	B	chin	101.0	11.34	0
68	880711	2	B	chin	116.0	17.66	0
68	880711	2	B	chin	84.0	6.54	0
68	880711	2	B	chin	92.0	10.34	0
68	880711	2	B	chin	79.0	5.52	0
68	880711	2	B	chin	80.0	5.12	0
68	880711	2	B	chin	74.0	4.86	0
68	880711	2	B	chin	92.0	8.38	0
68	880711	2	B	chin	86.0	6.76	0
68	880711	2	B	chin	79.0	5.42	0
68	880711	2	B	chin	83.0	6.26	0
68	880711	2	B	chin	70.0	3.68	0
68	880711	3	C	chin	65.0	2.66	0
68	880711	3	C	chin	83.0	7.36	0
68	880711	3	C	chin	81.0	5.66	0
68	880711	3	C	chin	81.0	5.82	0
68	880711	3	C	chin	91.0	8.96	0
68	880711	3	C	chin	134.0	27.68	0
68	880711	4	D	chin	94.0	9.12	0
68	880711	4	D	chin	79.0	5.56	0
68	880711	4	D	chin	87.0	7.22	0
68	880711	4	D	chin	76.0	4.94	0
68	880711	4	D	chin	78.0	4.62	0
68	880711	4	D	chin	72.0	5.06	0
68	880711	4	D	chin	91.0	7.66	0
68	880711	4	D	chin	95.0	9.28	0
68	880711	4	D	chin	75.0	4.22	0
68	880711	4	D	chin	72.0	3.86	0
68	880711	5	E	chin	76.0	4.48	0
68	880711	5	E	chin	82.0	5.54	0
68	880711	5	E	chin	84.0	6.00	0
68	880711	5	E	chin	86.0	6.64	0
68	880711	5	E	chin	82.0	5.98	0
68	880711	5	E	chin	92.0	8.14	0
69	880714	1	E	chin	68.0	.	0
69	880714	1	E	chin	96.0	.	0
69	880714	3	C	chin	93.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
69	880714	4	B	chin	83.0	.	0
69	880714	5	A	chin	99.0	.	0
69	880714	5	A	chin	102.0	.	0
69	880714	5	A	chin	55.0	.	0
70	880718	1	A	chin	95.0	.	0
70	880718	1	A	chin	87.0	.	0
70	880718	1	A	chin	103.0	.	0
70	880718	1	A	chin	83.0	.	0
70	880718	1	A	chin	90.0	8.14	0
70	880718	1	A	chin	82.0	7.50	0
70	880718	1	A	chin	94.0	9.60	0
70	880718	1	A	chin	75.0	4.70	0
70	880718	1	A	chin	99.0	10.84	0
70	880718	1	A	chin	94.0	9.92	0
70	880718	1	A	chin	82.0	6.58	0
70	880718	1	A	chin	92.0	9.44	0
70	880718	1	A	chin	97.0	10.64	0
70	880718	1	A	chin	85.0	6.92	0
70	880718	1	A	chin	79.0	5.52	0
70	880718	1	A	chin	85.0	6.86	0
70	880718	1	A	chin	103.0	12.40	0
70	880718	1	A	chin	84.0	5.92	0
70	880718	1	A	chin	73.0	3.98	0
70	880718	1	A	coho	71.0	3.84	0
70	880718	1	A	coho	99.0	10.26	0
70	880718	2	B	chin	95.0	9.80	0
70	880718	2	B	chin	87.0	7.18	0
70	880718	2	B	chin	109.0	13.30	0
70	880718	2	B	chin	85.0	6.50	0
70	880718	2	B	chin	74.0	4.02	0
70	880718	2	B	chin	79.0	4.92	0
70	880718	2	B	chin	79.0	5.22	0
70	880718	2	B	chin	98.0	10.54	0
70	880718	3	C	chin	79.0	5.34	0
70	880718	3	C	chin	93.0	8.96	0
70	880718	3	C	chin	74.0	4.94	0
70	880718	3	C	chin	92.0	10.34	0
70	880718	3	C	chin	80.0	5.46	0
70	880718	3	C	chin	87.0	7.48	0
70	880718	5	E	chin	66.0	2.80	0
71	880721	1	A	chin	85.0	.	0

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SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
71	880721	1	A	chin	85.0	.	0
71	880721	2	E	chin	82.0	.	0
71	880721	2	E	rain	142.0	.	0
71	880721	3	D	chin	88.0	.	0
71	880721	3	D	chin	86.0	.	0
71	880721	3	D	chin	94.0	.	0
71	880721	3	D	chin	75.0	.	0
71	880721	3	D	chin	86.0	.	0
71	880721	3	D	chin	90.0	.	0
71	880721	4	C	chin	102.0	.	1
71	880721	4	C	chin	92.0	.	0
71	880721	4	C	chin	85.0	.	0
71	880721	4	C	chin	83.0	.	0
71	880721	4	C	chin	93.0	.	0
71	880721	4	C	chin	84.0	.	0
71	880721	4	C	chin	99.0	.	0
71	880721	4	C	chin	96.0	.	0
71	880721	4	C	chin	92.0	.	0
71	880721	5	B	chin	92.0	.	0
71	880721	5	B	chin	94.0	.	0
71	880721	5	B	chin	82.0	.	0
71	880721	5	B	chin	94.0	.	0
71	880721	5	B	chin	77.0	.	0
71	880721	5	B	chin	91.0	.	0
71	880721	5	B	chin	82.0	.	0
71	880721	5	B	chin	86.0	.	0
72	880726	1	E	chin	81.0	.	0
72	880726	1	E	chin	86.0	.	0
72	880726	1	E	chin	88.0	.	0
72	880726	1	E	chin	81.0	.	0
72	880726	1	E	chin	98.0	.	0
72	880726	1	E	chin	80.0	.	0
72	880726	2	D	chin	99.0	.	0
72	880726	2	D	chin	74.0	.	0
72	880726	2	D	chin	87.0	.	0
72	880726	2	D	chin	87.0	.	0
72	880726	2	D	chin	80.0	.	0
72	880726	2	D	chin	98.0	.	0
72	880726	3	C	chin	88.0	.	0
72	880726	3	C	chin	84.0	.	0
72	880726	3	C	chin	100.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
72	880726	3	C	chin	85.0	.	0
72	880726	4	B	chin	92.0	.	0
72	880726	5	A	chin	112.0	.	0
72	880726	5	A	chin	90.0	.	0
73	880729	2	B	sock	64.0	.	0
73	880729	2	B	sock	56.0	.	0
73	880729	2	B	sock	62.0	.	0
73	880729	3	C	chin	85.0	.	0
73	880729	3	C	chin	107.0	.	0
73	880729	4	D	chin	104.0	.	0
73	880729	4	D	chin	96.0	.	0
73	880729	4	D	chin	102.0	.	0
73	880729	4	D	sock	58.0	.	0
74	880803	1	A	chin	92.0	.	0
74	880803	1	A	chin	83.0	.	0
74	880803	1	A	chin	95.0	.	0
74	880803	1	A	chin	84.0	.	0
74	880803	1	A	chin	89.0	.	0
74	880803	1	A	chin	95.0	.	0
74	880803	1	A	sock	61.0	.	0
74	880803	1	A	sock	67.0	.	0
74	880803	2	B	chin	93.0	.	0
74	880803	2	B	chin	114.0	.	0
74	880803	2	B	chin	98.0	.	0
74	880803	2	B	sock	73.0	.	0
74	880803	2	B	sock	69.0	.	0
74	880803	2	B	sock	74.0	.	0
74	880803	3	C	chin	95.0	.	0
74	880803	3	C	chin	98.0	.	0
74	880803	3	C	sock	60.0	.	0
74	880803	3	C	sock	69.0	.	0
74	880803	3	C	sock	70.0	.	0
74	880803	3	C	sock	63.0	.	0
74	880803	3	C	sock	66.0	.	0
74	880803	3	C	sock	65.0	.	0
74	880803	3	C	sock	74.0	.	0
74	880803	4	D	chin	98.0	.	0
74	880803	4	D	sock	84.0	.	0
74	880803	4	D	sock	103.0	.	0
74	880803	4	D	sock	85.0	.	0
74	880803	4	D	sock	94.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
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SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
74	880803	4	D	sock	69.0	.	0
74	880803	4	D	sock	68.0	.	0
74	880803	5	E	sock	63.0	.	0
74	880803	5	E	sock	64.0	.	0
75	880805	1	A	chin	84.0	.	0
75	880805	1	A	sock	70.0	.	0
75	880805	2	B	chin	102.0	.	0
75	880805	2	B	coho	113.0	.	0
75	880805	2	B	sock	118.0	.	0
75	880805	3	C	chin	90.0	.	0
75	880805	3	C	chin	124.0	.	0
75	880805	3	C	chin	96.0	.	0
75	880805	3	C	sock	124.0	.	0
75	880805	3	C	sock	66.0	.	0
75	880805	4	D	chin	96.0	.	0
75	880805	4	D	sock	80.0	.	0
75	880805	4	D	sock	67.0	.	0
75	880805	5	E	chin	98.0	.	0
75	880805	5	E	chin	96.0	.	0
75	880805	5	E	chin	94.0	.	0
75	880805	5	E	sock	63.0	.	0
75	880805	5	E	sock	52.0	.	0
75	880805	5	E	sock	61.0	.	0
76	880808	1	A	chin	100.0	.	0
76	880808	1	A	chin	106.0	.	0
76	880808	1	A	sock	72.0	.	0
76	880808	2	B	chin	96.0	.	0
76	880808	2	B	chin	105.0	.	0
76	880808	2	B	chin	55.0	.	0
76	880808	2	B	sock	69.0	.	0
76	880808	2	B	sock	70.0	.	0
76	880808	2	B	sock	67.0	.	0
76	880808	2	B	sock	71.0	.	0
76	880808	2	B	sock	48.0	.	0
76	880808	3	C	chin	99.0	.	0
76	880808	3	C	chin	83.0	.	0
76	880808	3	C	chin	92.0	.	0
76	880808	3	C	chin	108.0	.	0
76	880808	3	C	chin	96.0	.	0
76	880808	3	C	chin	102.0	.	0
76	880808	3	C	chin	89.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
76	880808	3	C	chin	102.0	.	0
76	880808	3	C	sock	102.0	.	0
76	880808	3	C	sock	73.0	.	0
76	880808	4	D	chin	98.0	.	0
76	880808	4	D	sock	76.0	.	0
76	880808	4	D	sock	79.0	.	0
76	880808	4	D	sock	60.0	.	0
76	880808	4	D	sock	71.0	.	0
76	880808	5	E	sock	74.0	.	0
76	880808	5	E	sock	73.0	.	0
77	880811	1	D	sock	90.0	.	0
77	880811	2	C	chin	111.0	.	0
77	880811	2	C	chin	93.0	.	0
77	880811	2	C	chin	98.0	.	0
77	880811	2	C	sock	68.0	.	0
77	880811	2	C	sock	94.0	.	0
77	880811	3	B	chin	104.0	.	0
77	880811	3	B	sock	66.0	.	0
77	880811	4	A	chin	89.0	.	0
77	880811	4	A	sock	76.0	.	0
77	880811	4	A	sock	113.0	.	0
77	880811	4	A	sock	77.0	.	0
77	880811	5	E	chin	100.0	.	0
77	880811	5	E	sock	74.0	.	0
78	880815	3	E	sock	69.0	.	0
78	880815	4	B	sock	63.0	.	0
78	880815	5	A	sock	82.0	.	0
79	880818	2	B	chin	105.0	.	0
79	880818	2	B	doll	384.0	.	0
79	880818	2	B	sock	95.0	.	0
79	880818	3	C	sock	88.0	.	0
79	880818	4	D	chin	113.0	.	0
79	880818	4	D	chin	73.0	.	0
79	880818	4	D	sock	71.0	.	0
79	880818	4	D	sock	89.0	.	0
80	880823	3	B	sock	94.0	.	0
80	880823	5	E	sock	73.0	.	0
80	880823	5	E	sock	107.0	.	0
80	880823	6	E	sock	87.0	.	0
80	880823	6	E	sock	102.0	.	0
80	880823	6	E	sock	87.0	.	0

JUVENILE SALMONID LENGTH AND WEIGHT DATA
SURFACE TRAWLING - FRASER RIVER AT QUEENS REACH 1987-1988
UNTREATED SPECIMENS

SAMPLING TRIP	SAMPLING DATE	TOW NUMBER	TRANSECT LINE	SPECIES	LENGTH (mm.)	WEIGHT (g.)	ORIGIN
80	880823	6	E	sock	77.0	.	0
80	880823	8	D	sock	99.0	.	0
81	880826	4	B	sock	67.0	.	0

Figure 1. Location of Fraser River, Queens Reach sampling site, 1987-1988.

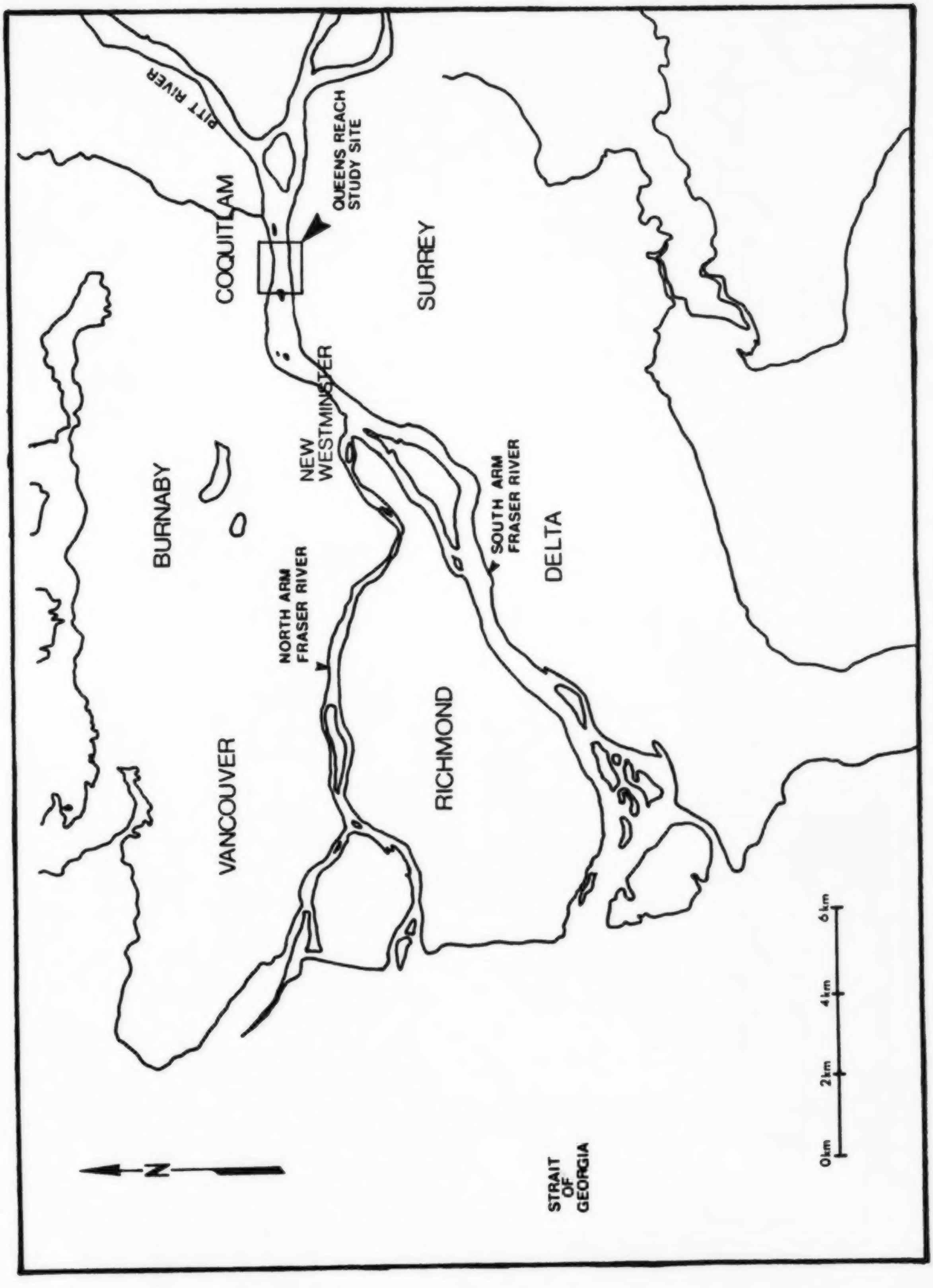
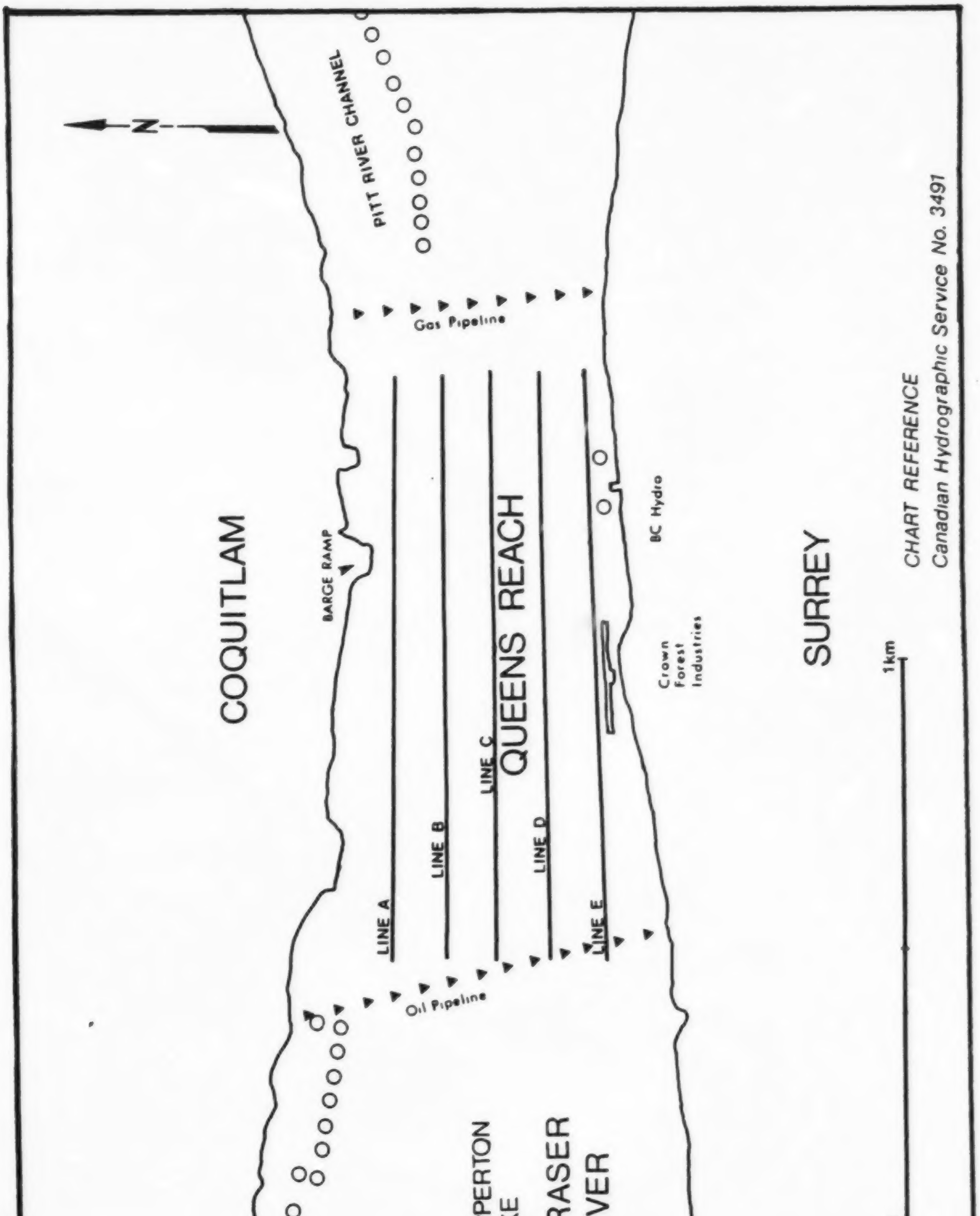

PITT RIVER
QUEENS REACH
STUDY SITE
COQUITLAM
SURREY
NEW
WESTMINSTER
BURNABY
SOUTH ARM
FRASER RIVER
DELTA
NORTH ARM
FRASER RIVER
RICHMOND
VANCOUVER
N
STRAIT
OF
GEORGIA
0km
2km
4km
6km

Figure 2. Location of transect lines at Fraser River, Queens Reach sampling site, 1987-1988.


N
COQUITLAM
PITT RIVER CHANNEL
Gas Pipeline
BARGE RAMP
QUEENS REACH
LINE A
LINE B
LINE C
LINE D
LINE E
BC Hydro
Crown Forest Industries
SURREY
Oil Pipeline
SAPPERTON DYKE
FRASER RIVER
CHART REFERENCE
Canadian Hydrographic Service No. 3491
0km
1km